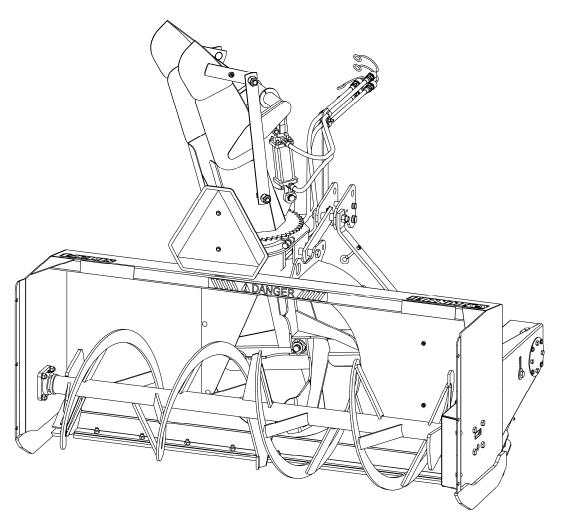
### OPERATOR'S MANUAL

# **SNOWBLOWERS**

### SB1274 SB1280

Serial #: 1XFSB12X\_B011 0001 & up





### **TABLE OF CONTENT**

| SPECIFICATIO | DNS   |    |
|--------------|---|----|
| INTRODUCTIO  | ON – TO THE PURCHASER                                   | 4  |
| SAFETY PRE   | CAUTIONS  | 5  |
| General      | Information   | 5  |
| Before O     | peration  | 6  |
|              | ·   |    |
|              | wblower   |    |
|              | Before Operation  |    |
|              | Snowblower operation                                    |    |
| The Trac     | tor   |    |
|              | General Information                                     |    |
|              |   |    |
|              | ince  |    |
| Transpor     | ting  | 9  |
| Storage      |   | 9  |
| SAFETY DEC   | ALS   | 10 |
| ASSEMBLY     |   |    |
|              | wer Assembly  |    |
|              | Installation of the Three Point Hitch                   |    |
|              | Installation of the Chute and the Hydraulic Rotation    | 14 |
|              | Installation of the Snowblower with a Three Point Hitch |    |
|              | Installation of the Snowblower with Quick Hitch         | 19 |
|              | How to Determine Driveline Angles                       | 20 |
|              | Angles at Each End of Driveline                         | 21 |
|              | Determining Driveline Length                            | 21 |
|              | Installation of the Driveline                           |    |
|              | Removing Snowblower from Tractor                        |    |
| OPERATION .  |   | 24 |
| General      | Preparation   | 24 |
| Operating    | g Controls  |    |
|              | Raising and Lowering the Snowblower                     | 24 |
|              | Work and Travel Speed                                   | 24 |
|              | PTO Operation   | 24 |
| Adjustme     | ents  | 24 |
|              | Skid Shoes Adjustment                                   |    |
|              | Chain Idler Adjustment                                  |    |
| Snow Re      | moval Methods   |    |

### **TABLE OF CONTENT**

| MAINTENANCE                           |    |
|---------------------------------------|----|
| Shearbolts                            |    |
| Drive Shaft                           |    |
| Driveline                             |    |
| LUBRICATION                           | 28 |
|                                       | -  |
| DRIVELINE TROUBLESHOOTING             |    |
| PARTS                                 | 20 |
| Introduction                          |    |
| Chain Idler                           | -  |
|                                       |    |
| Snowblowers – SB1274 & SB1280 -Part 1 |    |
| Snowblowers – SB1274 & SB1280 -Part 2 |    |
| Three Point Hitch                     |    |
| Three Part Chute – 5RDF0024           |    |
| Hydraulic Rotation                    |    |
| Gearbox – 5RD662195                   | 41 |
| Driveline – 5RD662194                 |    |
| TORQUE SPECIFICATION TABLE            | 43 |

### SPECIFICATIONS

| Working Width       Morking Height         Iransport Width       Morking Height         Length       Single/Dual Auger         Auger Diameter       Auger Flighting Thickness         Moreller Diameter       Moreller Diameter         Mumber of Impeller blades       Roller Chain         Drive sprocket (# of teeth)       Driven sprocket (# of teeth)         Driven sprocket (# of teeth)       Gearbox Manufacturer         Gearbox Description       Fractor RPM         Muger RPM       PTO Manufacturer         PTO Description       Skid Shoe         Skid Shoe       Skid Shoe   | 74"<br>74 1/2"<br>30"<br>49" min. – 52" max.<br>Single<br>20"<br>3/8"<br>26"<br>10 1/2"<br>1 9/16"<br>4<br>60<br>10<br>32<br>Twin sprocket<br>Comer<br>Model T27D<br>540<br>540<br>169  | 80"<br>80 1/2"<br>30"<br>49" min. – 52" max.<br>Single<br>20"<br>3/8"<br>26"<br>10 1/2"<br>1 9/16"<br>4<br>60<br>10<br>32<br>Twin sprocket<br>Comer<br>Model T27D<br>540<br>540   |
|--|---|---|
| Working Height   | 30"<br>49" min. – 52" max.<br>Single<br>20"<br>3/8"<br>26"<br>10 1/2"<br>1 9/16"<br>4<br>60<br>10<br>32<br>Twin sprocket<br>Comer<br>Model T27D<br>540<br>540   | 30"<br>49" min. – 52" max.<br>Single<br>20"<br>3/8"<br>26"<br>10 1/2"<br>1 9/16"<br>4<br>60<br>10<br>32<br>Twin sprocket<br>Comer<br>Model T27D<br>540<br>540   |
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| LengthSingle/Dual AugerAuger DiameterAuger Flighting Thicknessmpeller Diametermpeller Diametermpeller Shaft DiameterNumber of Impeller bladesRoller ChainDrive sprocket (# of teeth)Drive sprocket (# of teeth)Chain idlerGearbox ManufacturerGearbox DescriptionTractor RPMMuger RPMPTO ManufacturerPTO DescriptionSkid ShoeSkid ShoeSkid ShoeSack Plate ThicknessBack Plate Thickness  | Single           20"           3/8"           26"           10 1/2"           1 9/16"           4           60           10           32           Twin sprocket           Comer           Model T27D           540           540 | Single           20"           3/8"           26"           10 1/2"           1 9/16"           4           60           10           32           Twin sprocket           Comer           Model T27D           540           540 |
| Single/Dual Auger         Auger Diameter         Auger Flighting Thickness         mpeller Diameter         mpeller Diameter         mpeller Width         mpeller Shaft Diameter         Number of Impeller blades         Roller Chain         Drive sprocket (# of teeth)         Driven sprocket (# of teeth)         Chain idler         Gearbox Manufacturer         Gearbox Description         Tractor RPM         mpeller RPM         Auger RPM         PTO Manufacturer         PTO Manufacturer         PTO Description         Skid Shoe         Skid Shoe         Skid Shoe         Skid Shoe         Skid Shoe Material         End Plate Thickness         Back Plate Thickness   | 20"<br>3/8"<br>26"<br>10 1/2"<br>1 9/16"<br>4<br>60<br>10<br>32<br>Twin sprocket<br>Comer<br>Model T27D<br>540<br>540   | Single           20"           3/8"           26"           10 1/2"           1 9/16"           4           60           10           32           Twin sprocket           Comer           Model T27D           540           540 |
| Auger Diameter         Auger Flighting Thickness         mpeller Diameter         mpeller Width         mpeller Shaft Diameter         Number of Impeller blades         Roller Chain         Drive sprocket (# of teeth)         Driven sprocket (# of teeth)         Chain idler         Gearbox Manufacturer         Gearbox Description         Fractor RPM         mpeller RPM         Auger RPM         PTO Manufacturer         PTO Description         Skid Shoe         Skid Shoe Material         End Plate Thickness         Back Plate Thickness   | 20"<br>3/8"<br>26"<br>10 1/2"<br>1 9/16"<br>4<br>60<br>10<br>32<br>Twin sprocket<br>Comer<br>Model T27D<br>540<br>540   | 20"<br>3/8"<br>26"<br>10 1/2"<br>1 9/16"<br>4<br>60<br>10<br>32<br>Twin sprocket<br>Comer<br>Model T27D<br>540<br>540   |
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| Number of Impeller blades         Roller Chain         Drive sprocket (# of teeth)         Driven sprocket (# of teeth)         Chain idler         Gearbox Manufacturer         Gearbox Description         Fractor RPM         Muger RPM         PTO Manufacturer         PTO Description         Skid Shoe         Skid Shoe         Skid Shoe Material         End Plate Thickness         Back Plate Thickness  | 4<br>60<br>10<br>32<br>Twin sprocket<br>Comer<br>Model T27D<br>540<br>540   | 4<br>60<br>10<br>32<br>Twin sprocket<br>Comer<br>Model T27D<br>540<br>540   |
| Roller Chain   | 4<br>60<br>10<br>32<br>Twin sprocket<br>Comer<br>Model T27D<br>540<br>540   | 4<br>60<br>10<br>32<br>Twin sprocket<br>Comer<br>Model T27D<br>540<br>540   |
| Roller Chain   | 10<br>32<br>Twin sprocket<br>Comer<br>Model T27D<br>540<br>540  | 10<br>32<br>Twin sprocket<br>Comer<br>Model T27D<br>540<br>540  |
| Driven sprocket (# of teeth)         Chain idler         Gearbox Manufacturer         Gearbox Description         Tractor RPM         mpeller RPM         Auger RPM         PTO Manufacturer         PTO Description         Skid Shoe         Skid Shoe         Skid Shoe Material         End Plate Thickness         Back Plate Thickness   | 32<br>Twin sprocket<br>Comer<br>Model T27D<br>540<br>540  | 32<br>Twin sprocket<br>Comer<br>Model T27D<br>540<br>540  |
| Driven sprocket (# of teeth)         Chain idler         Gearbox Manufacturer         Gearbox Description         Tractor RPM         mpeller RPM         Auger RPM         PTO Manufacturer         PTO Description         Skid Shoe         Skid Shoe         Skid Shoe Material         End Plate Thickness         Back Plate Thickness   | Twin sprocket<br>Comer<br>Model T27D<br>540<br>540  | Twin sprocket<br>Comer<br>Model T27D<br>540<br>540  |
| Chain idler  | Comer<br>Model T27D<br>540<br>540   | Comer<br>Model T27D<br>540<br>540   |
| Gearbox Manufacturer   | Comer<br>Model T27D<br>540<br>540   | Comer<br>Model T27D<br>540<br>540   |
| Gearbox Description       Image: Construction         Irractor RPM       Image: Construction         Auger RPM       Image: Construction         PTO Manufacturer       Image: Construction         PTO Description       Image: Construction         Skid Shoe  | Model T27D<br>540<br>540  | Model T27D<br>540<br>540  |
| Tractor RPM         mpeller RPM         Auger RPM         PTO Manufacturer         PTO Description         Skid Shoe         Skid Shoe Material         End Plate Thickness         Back Plate Thickness   | 540<br>540  | 540<br>540  |
| mpeller RPM       Auger RPM         PTO Manufacturer       PTO Description         PTO Description       Skid Shoe         Skid Shoe       Skid Shoe         Skid Shoe Material       PTO Plate Thickness         Back Plate Thickness       Pto Plate Thickness   | 540   | 540   |
| Auger RPM Constraints of the second s |   |   |
| PTO Manufacturer<br>PTO Description<br>Skid Shoe<br>Skid Shoe Material<br>End Plate Thickness<br>Back Plate Thickness  |   | 169   |
| PTO Description  | Comer   | Comer   |
| Skid Shoe  | 50  | 50  |
| Skid Shoe Material<br>End Plate Thickness<br>Back Plate Thickness  | Adjustable & replaceable  | Adjustable & replaceable  |
| End Plate Thickness Back Plate Thickness   | High Carbon steel   | High Carbon steel   |
| Back Plate Thickness   | .1196"  | .1196"  |
|  | 3/16"   | 3/16"   |
| mpeller Housing Thickness  | 3/16" CHT100  | 3/16" CHT100  |
| mpeller Blade Thickness  | 5/16"   | 5/16"   |
| Side Panel Bottom Thickness  | 1/2"  | 1/2"  |
|  | High Carbon steel   | High Carbon steel   |
| Cutting Edge   | Replaceable & reversible  | Replaceable & reversible  |
| Cutting Edge Dimension   | 1/2" x 3"   | 1/2" x 3"   |
| Parking Stand  | Standard  | Standard  |
| Hitch Category   | Cat. 1 & 2  | Cat. 1 & 2  |
| Quick Hitch Compatibility  | ASABE Compatible  | ASABE Compatible  |
| HP Requirements - min-max (hp)   | 30-80   | 30-80   |
| Dperating Weight (lbs)-hyd. rot. & defl.   | 1013  | 1051  |
| Shipping Weight (Ibs)  | 973   | 1011  |
| Approx. Set-up Time (min.)   | 35  | 35  |
| Chute Deflector Adjustment   | Hydraulic cylinder (2" x 4")<br>including hoses and tips  | Hydraulic cylinder (2" x 4")<br>including hoses and tips  |
| Chute Rotation (standard)  |   | Hydraulic with motor  |
| Chute option   | Hydraulic with motor  |   |

#### TO THE PURCHASER

All products are designed to give safe, dependable service if they are operated and maintained according to instructions. <u>Read and understand</u> this manual before operation.

This manual has been prepared to assist the owner and operators in the safe operation and suitable maintenance of the implements. The information was applicable to products at the time of manufacture and does not include modifications made afterwards.

Read and understand this operator's manual before attempting to put an implement into service. Familiarize yourself with the operating instructions and all the safety recommendations contained in this manual and those labeled on the implements and on the tractor. Follow the safety recommendations and make sure that those with whom you work follow them.

#### Illustrations

The illustrations may not necessarily reproduce the full detail and the exact shape of the parts or depict the actual models, but are intended for reference only

#### **Direction Reference**

Right Hand and Left Hand are determined by those seen by the conductor standing behind the equipment.

The Dealer is responsible for warranty registration of the unit you have purchased. To assist your dealer in handling your needs, please record hereafter the model number and serial number of your implement and tractor. It is also advisable to supply them to your insurance company. It will be helpful in the event that an implement or tractor is lost or stolen.

MODEL :

SERIAL NUMBER :

DATE OF PURCHASE :



**ILEA EL INSTRUCTIVO!** 

Si no lee Ingles, pida ayuda a alguien que si lo lea para que le traduzca las medidas de seguridad.

### SAFETY PRECAUTIONS



This symbol, the industry's "Safety Alert Symbol", is used throughout this manual and on labels on the machine itself to warn of the possibility of personal injury. Read these instructions carefully. It is essential that you read the instructions and safety regulations before you attempt to assemble or use this unit.

**DANGER :** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

**WARNING :** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**CAUTION :** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

**IMPORTANT :** Indicates that equipment or property damage could result if instructions are not followed.

**NOTE :** Gives helpful information.

All products are designed to give safe, dependable service if they are operated and maintained according to instructions. **Read and understand this manual before operation**. It is the owner's responsibility to be certain anyone operating this product reads this manual, and all other applicable manuals, to become familiar with this equipment and all safety precautions. Failure to do so could result in serious personal injury or equipment damage. If you have any questions, consult your dealer.

#### BEFORE OPERATION Children and Bystanders

Tragic accidents can occur if the operator is not alert to the presence of children. Children are generally attracted to machines and the work being done. Never assume children will remain where you last saw them.

- 1. Keep children out of the operating area and under the watchful eye of another responsible adult.
- **2.** Be alert and turn machine off if children enter the work area.
- **3.** Before and when backing, look behind and look for small children.

- 4. Never carry children while operating the machine. They may fall off and be seriously injured or interfere with safe operation of the machine.
- 5. Never allow children to play on the machine or attachment even when turned off.
- 6. Never allow children to operate the machine even under adult supervision.
- **7.** Use extra care when approaching blind corners, shrubs, trees, or other obstructions that might hide children from sight.

### **SAFETY PRECAUTIONS - continued**

#### **NOTICE**

A safe operator is the best insurance against accidents. All operators, no matter how experienced they may be, should read this Operator's Manual and all other related manuals before attempting to operate an implement. Please read the following section and pay particular attention to all safety recommendations contained in this manual and those labeled on the implements and on the tractor.

#### THE SNOWBLOWER Before Operation

- 1. Read and understand this operator's manual and tractor operator's manual. Know how to operate all controls and how to stop the unit and disengage the controls quickly.
- 2. Never wear loose, torn, or bulky clothing around the tractor and implement. It may catch on moving parts or controls, leading to the risk of accident.
- **3.** Before the snow season, thoroughly inspect the area where the equipment is to be used and remove all doormats, sleds, boards and other foreign objects.
- **4.** Disengage clutch and shift into neutral before starting the engine.
- 5. Do not operate equipment in wintertime without wearing adequate winter garments.
- 6. Never attempt to make any adjustments while engine is running. Read this manual carefully to acquaint yourself with the equipment as well as the tractor operator's manual. Working with unfamiliar equipment can lead to accidents. Be thoroughly familiar with the controls and proper use of the equipment. Know how to stop the unit and disengage the controls quickly.
- **7.** Keep all shields in place and properly tighten all mounting hardware.
- 8. Periodically, inspect all moving parts for wear and replace with authorized service parts if an excessive amount of wear is present.

- **9.** Replace all missing, illegible, or damaged safety and warning decals. See list of decals in the operator's manual.
- **10.** Do not modify or alter this equipment or any of its components, or any equipment function without first consulting your dealer.
- **11.** Keep safety decals clean of dirt and grime.

### **SAFETY PRECAUTIONS - continued**

#### Snowblower Operation

- 1. Before leaving the tractor unattended, take all possible precautions. Disengage the PTO, stop the engine and remove the ignition key. Lower the implement to the ground.
- 2. Before starting the snowblower, remove any ice that has accumulated in the auger/impeller.
- **3.** Watch carefully for foreign objects that could enter the blower while operating.
- **4.** Be sure the clutch switch/lever is in OFF position before starting engine.
- 5. Do not put hands or feet near rotation parts. Keep clear of discharge opening at all times.
- 6. Exercise extreme caution when operating on or crossing a gravel drive, walks, or roads. Stay alert for hidden hazards or traffic. Do not carry passengers.
- **7.** Adjust collector housing height to clear gravel or crushed rock surface.
- 8. Stop the engine, remove the key, and allow the rotating parts to stop before unclogging the collector/impeller housing or chute, and making any repairs, adjustments or inspections. Use only a 36" long piece of wood to unclog blower.
- **9.** If the snowblower starts to vibrate abnormally, stop the engine immediately and check for cause. Excessive vibration is generally a sign of trouble.
- **10.** Do not run the engine indoors except when starting engine and transporting attachment in or out of building. Carbon monoxide gas is colorless, odourless and deadly.
- **11.** Exercise extreme caution when changing direction on slopes. Do not attempt to operate on steep slopes.
- **12.** Never operate snowblower without guards, and other safety protective devices in place.

- **13.** Never operate snowblower near glass enclosures, automobiles, window wells, embankments, etc., without proper adjustment of snow discharge angle.
- **14.** Never operate machine at high transport speeds on a slippery surface.
- **15.** Use extra caution when backing up.
- **16.** Do not direct discharge at bystanders or animals. Ejected objects may cause injury.
- **17.** Disengage power to auger/impeller when transporting or when not in use.
- **18.** Never operate the snowblower without good visibility and lighting.
- **19.** Prolonged exposure to loud noise can cause impairment or loss of hearing. Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable noises

#### THE TRACTOR General Information

1. Read the operator's manual carefully before using tractor. Lack of operating knowledge can lead to accidents.

#### **Operating the Tractor**

- 1. Never run the tractor engine in a closed building without adequate ventilation, as the exhaust fumes are very dangerous.
- 2. Never allow an open flame near the fuel tank or battery.
- **3.** Make sure the shield is installed when using a PTO-driven equipment and always replace the shield if damaged.
- **4.** Always bring the tractor to a complete stop, shut off the engine, lower the implement to the ground and remove the ignition key before leaving the tractor.
- 5. Never park the tractor on a steep slope.
- 6. Do not attempt to operate on steep slopes.
- **7.** Use of tire chains for better traction and stability is recommended.
- 8. Always drive the tractor at speeds compatible with safety, especially when operating over rough ground, crossing ditches, or when turning.
- **9.** Handle fuel with care, as it is highly flammable.
- **10.** Use approved fuel container.
- **11.** Never add fuel to a running engine or a hot engine.
- **12.** Fill fuel tank outdoors with extreme care. Never fill fuel tank indoors. Replace fuel cap securely and wipe up spilled fuel.
- **13.** Never allow anyone to operate the snowblower until they are thoroughly familiar with basic tractor and snowblower operation.

- 2. Do not allow anyone but the operator to ride on the tractor. There is no safe place for extra riders
- 14. A minimum 20% of tractor and equipment weight must be on the tractor front wheels when attachments are in transport position. Without this weight, tractor could tip over, causing personal injury or death. The weight may be attained with a loader, front wheel weights, ballast in tires or front tractor weights. Weigh the tractor and equipment. Do not estimate.
- **15.** Always make sure all snowblower components are properly installed and securely fastened BEFORE operation.

#### **During Operation**

- 1. Do not allow anyone to ride on the tractor/snowblower at any time. There is no safe place for passengers on this equipment. The operator MUST sit in the tractor seat.
- 2. Eye and hearing protection is recommended when operating the snowblower.
- **3.** Operate only during daylight hours, or when the area is well lit with bright artificial light.
- 4. Disengage the PTO (turn to "OFF"), place the transmission in neutral, set the parking brake, shut off the engine and remove the key, and make sure rotating components have stopped BEFORE leaving the operator's seat.
- 5. Inspect the snowblower after striking any foreign object to assure that all snowblower parts are safe and secure and not damaged.

### **SAFETY PRECAUTIONS- continued**

#### MAINTENANCE

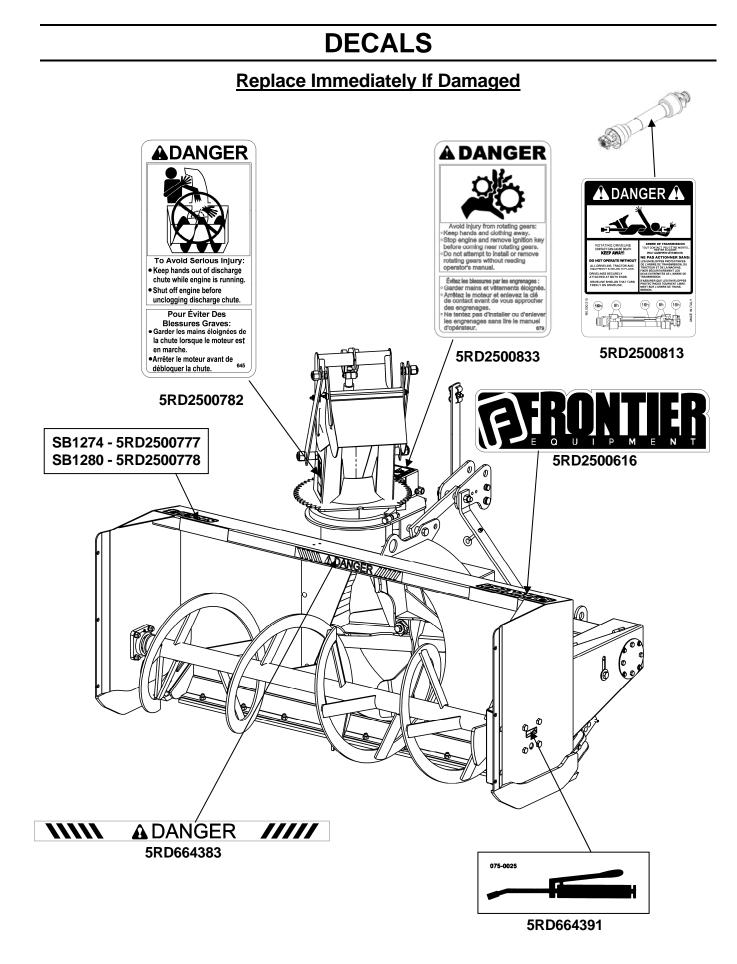
- 1. Park the tractor/snowblower on level ground, set the parking brake, disengage the PTO, shut off the engine, remove the key, and lower the implement to the ground BEFORE making any snowblower adjustments.
- 2. To avoid injury, do not adjust, unclog or service the snowblower with the tractor engine running. Making sure rotating components have completely stopped before leaving the operator's seat
- **3.** Keep the tractor/snowblower clean. Snow and ice build-up can lead to malfunction or personal injury from thawing and refreezing in garage.
- **4.** Always wear eye protection when cleaning or servicing the snowblower.
- 5. Do not work under any part of the tractor or snowblower, unless it is securely supported by safety stands.
- 6. Make sure all shields and guards are securely in place following all service, cleaning, or repair work.
- 7. Do not modify or alter this equipment or any of its components or operating functions. If you have questions concerning modifications, consult with your dealer.

#### **TRANSPORTATION**

- 1. If the tractor/snowblower is to be driven on public roads, it must be equipped with an SMV (Slow Moving Vehicle) sign. Check local traffic codes that may apply to unit usage on public roads and highways in your area.
- 2. Be alert for all other traffic when driving the tractor/snowblower on public roads or highways.

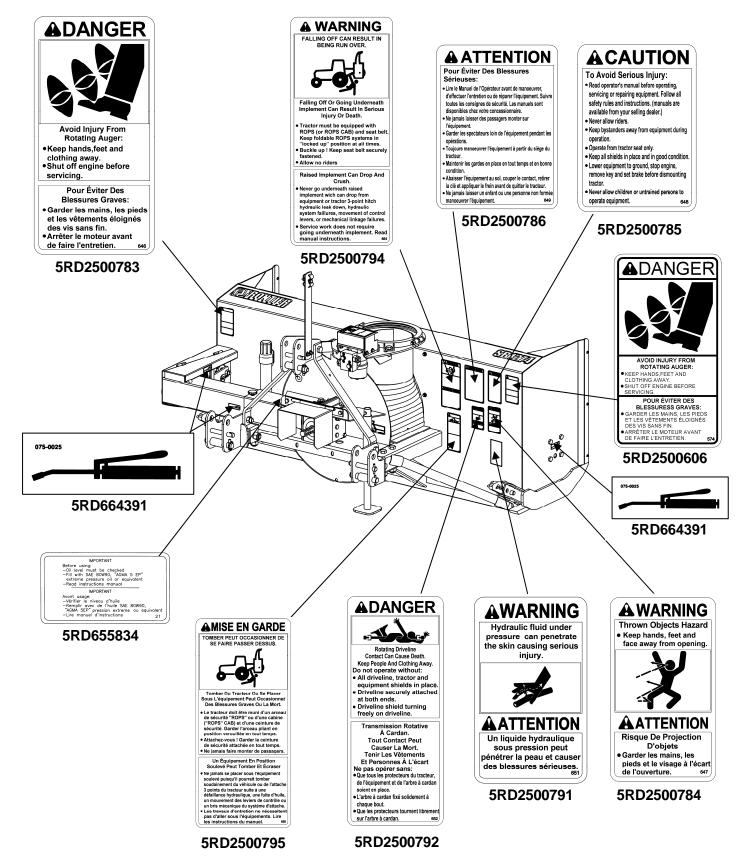
#### **S**TORAGE

- 1. Before storing the snowblower, certain precautions should be taken to protect it from deterioration.
- 2. Clean the snowblower thoroughly.
- 3. Make all the necessary repairs.
- 4. Replace all Safety Signs that are damaged, lost, or otherwise become illegible. If a part to be replaced has a sign on it, obtain a new safety sign from your dealer and install it in the same place as on the removed part.
- 5. Repaint all parts from which paint has worn or peeled.
- 6. Lubricate the snowblower as instructed under "Lubrication" section.
- **7.** When the snowblower is dry, oil all moving parts. Apply oil liberally to all surfaces to protect against rust.
- **8.** Attach driveline shield safety chain around driveline by passing it over the upper hitch
- 9. Store in a dry place.



### DECALS

#### **Replace Immediately If Damaged**



#### **SNOWBLOWER ASSEMBLY**

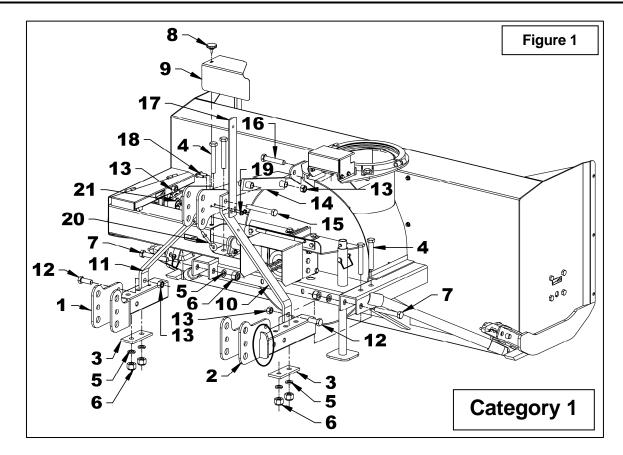
The snowblower is assembled at the factory; however, certain components must be assembled. Use the present manual and lay out all parts for assembly. Separate bolts and nuts into various sizes. After assembly, torque all the bolts according to the Torque Specification Table enclosed at the end of the manual.

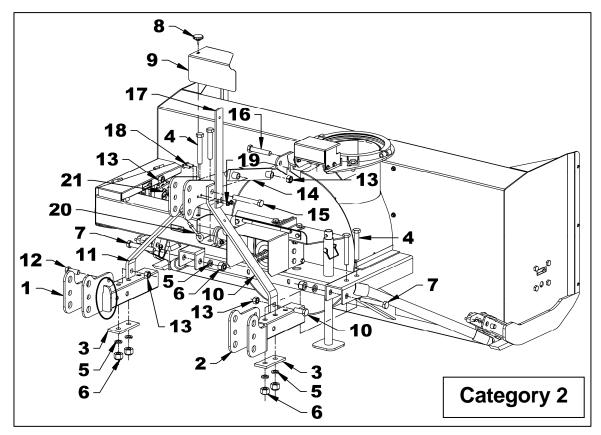
#### Installation of the Three Point Hitch (Figures 1-2)

**<u>NOTE</u>**: Pay particular attention to the position of the lower hitches. The overhang of the bent section must be <u>on the outside for Cat. 1</u> and <u>on the inside for Cat. 2</u> as illustrated.

- 1. Remove the knob (item 8) and the rear guard (item 9).
- Attach the lower hitches (items 1-2) to the snowblower with two 3/4"NC x 5" hex. bolts (item 7), 3/4" lockwashers and 3/4" nylon insert nuts (items 5-6). Place the two reinforcement plates (item 3) under the lower hitches and secure with four 3/4"NC x 5" bolts (item 4), two 3/4"NC x 5 1/2" bolts (item 3), 3/4" lockwashers and 3/4" nylon insert locknuts (items 5-6).
- **3.** Attach the hitches (items 10-11) to the lower hitches (items 1-2) as illustrated with two 3/4"NC x 2" bolts (item 12) and 3/4" Stover nuts (item 13).
- 4. Fasten each hitch (items 10-11) to the upper hitch (item 14) with a 3/4"NC x 5 1/2" bolt and a 3/4" Stover nut (item 13). Attach the upper hitch (item 14) to the snowblower with a 3/4"NC x 4" bolt (item 16) and a 3/4" Stover nut (item 13).
- **5.** Attach the hose support (item 17) to the upper hitch (item 10) in the position shown with two 3/8" NC x 1 1/4" serrated flange bolts and two 3/8" serrated flange nuts (items 24-25).
- 6. Reinstall the rear guard (item 9) with the knob (item 8).

- Install the eyebolt (item 20) in the upper hole of the left or right side of the three point hitch by screwing the eyebolt nut to the top and locking eyebolt in place with a 3/8" serrated flange nut (item 21).
- 8. Tighten all bolts according to the *"Torque Specification Table"* at the end of the manual.





<u>/</u>

#### Installation of the Chute and the Hydraulic Rotation

#### (Figures 3-4-5-6-7-8)

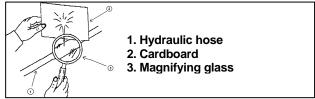
- 1. Figures 3: Remove the retaining plate (item 1) by removing the two 5/8" x 1 1/2 bolts (item2) and 5/8" serrated flange nuts (item 3).
- 2. Figures 3: Remove the rotation ring (item 4) and the gear shield (item 5) by removing the four 5/16" x 1" serrated flange nuts (item 6) and the 5/16" serrated flange nuts (item 7).
- **3.** Figure 4: Take off the motor gear (item 1) by removing the bolt, the lockwasher and the flat washer (items 2-3-4).
- 4. Figure 4: Remove the four bolts, lockwashers and flat washers (items 5-6-7) the remover the hydraulic motor (item 8) making sure the key (item 9) remains in the motor shaft.
- 5. Figure 4: Remove the anchoring plate (item 10) and the anchoring flat bar (item 11).

### 

To avoid serious personal injury. Escaping hydraulic/ diesel fluid under pressure can penetrate the skin causing serious injury.

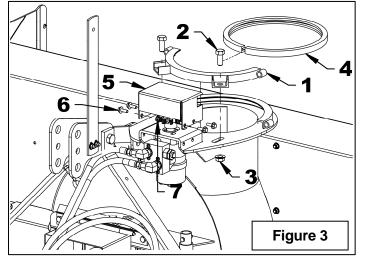
 Do not use your hands to check for leaks. Use a piece of cardboard or paper to search for leaks.

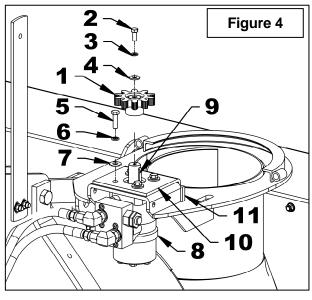




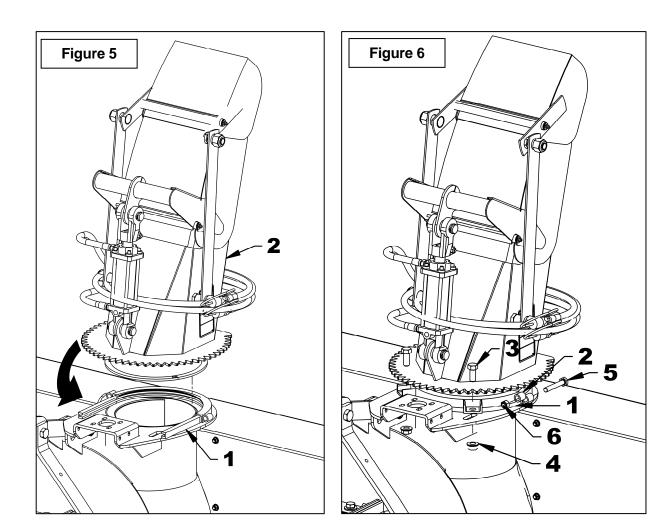
- Stop engine and relieve pressure before connecting or disconnecting lines.
- Tighten all connections before starting engine or pressurizing lines.

If any fluid is injected into the skin, obtain medical attention immediately or gangrene may result

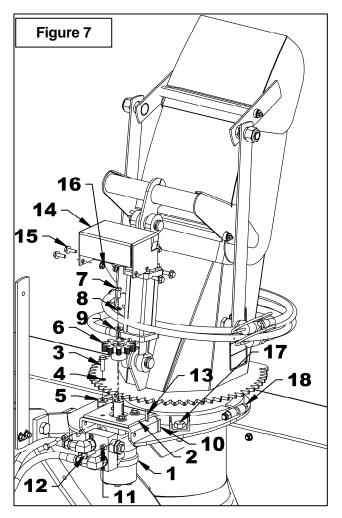


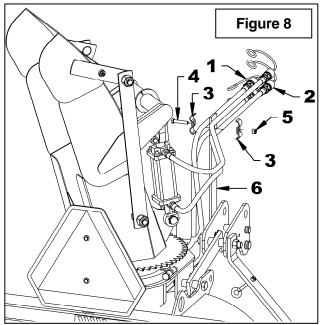


- 6. Figure 5: Insert the rotation bushing (item 1) in the snowblower's welded retaining plate. Place the chute (item 2) on the plate of the snowblower head and push the chute towards the front to insert it in the rotation bushing.
- 7. Figure 6: Install the retaining plate (item 2) on the snowblower by bending each bushing end (item 1) inside the retaining plate. Align the vertical holes of the retaining plate (item 2) with the oblong holes of the snowblower. Secure in place with the two 5/8" x 1 1/2" bolts (item 3) and 5/8" serrated flange nuts (item 4) previously removed. Do not tighten.
- 8. Figure 6: Insert two 1/2" x 3 1/4" bolts (item 5) to join together the two retaining plates. Bring the two retaining plates closer. When enough threads of the 1/2" x 3 1/4" bolts (item 5) exceed the holes, screw in the 5/8" x 1 1/2" bolts (item 3) slightly. When the bolt ends (item 5) exceed sufficiently, secure with two 1/2" nylon insert nuts (item 6) until the two retaining plates are approximately 1/4" apart.
- **9. Figure 6:** Tighten the 1/2" x 3 1/4" bolts (item 5) to reduce the gap between the retaining plates until chute turns with a slight resistance.
- Figure 6: Tighten the two 5/8" x 1 1/2" bolts (item 3) according to the *"Torque Specification Table"* at the end of the manual.



- **11. Figure 7:** Install the motor (item 1) placing the anchor plate on top (item 2) as shown on figure. Attach with four 3/8"NC x 1 1/4" (item 3) hex. bolts, lockwashers and flat washers (items 4-5). Tighten manually.
- 12. Figure 7: Grease the inside of the motor gear (item 6) and install with the key, 8mm x 20mm bolt (item 7), lockwasher and flat washer (items 8-9). Tighten according to the "Torque Specification Table" at the end of the manual.
- **13. Figure 7:** Insert the anchoring flat bar (item 10) between the anchor plate (item 2) and the motor support as shown on figure. Screw the 3/8"NC nuts (item 11) at maximum on the two 3/8"NC x 1 1/2" Ig bolts (item 12). Install those two bolts (item 12) by screwing them in the anchoring flat bar (item 10).
- **14. Figure 7**: Adjust the distance between the chute gear and the motor gear according to the following step:
  - **A.** Slightly unscrew the two bolts (item 17) that hold the retaining plate.
  - **B.** Screw the two nuts (item 18) simultaneously until the distance between the retaining plates and the chute base is leveled.
  - **C.** Retighten the bolts (item 17) according to the *"Torque Specification Table"*. at the end of the manual.
  - D. Adjust the gears to a distance between 1/32" and 1/16" by screwing the two bolts (item 12). Secure with the nuts (item 11) moving them against the anchoring flat bar (item 10). Tighten the four bolts (item 3) at 30 lbs-ft (41 N-M).
  - **E.** Run a test at low speed. If the gears have an irregular sound while testing, it means the adjustment is incorrect. Bring parts closer to each other until the sound becomes regular and even.
- **15. Figure 7:** Reinstall the gear and the cover (item 13) with four 5/16" x 1" bolts (item 14), 3/8" flat washers (item 15) on the outside and 5/16" serrated flange nuts (item 16) on the inside. Tighten according to the **"Torque Specification Table"** at the end of the manual.
- 16. Figure 8: Attach the motor and cylinder hoses (items 1-2) on each side of the hose support (item 6) with two hose clamps (item 3), a 3/8"NC x 2" hex. bolt (item 4) and a 3/8"NC nylon insert nut (item 5).





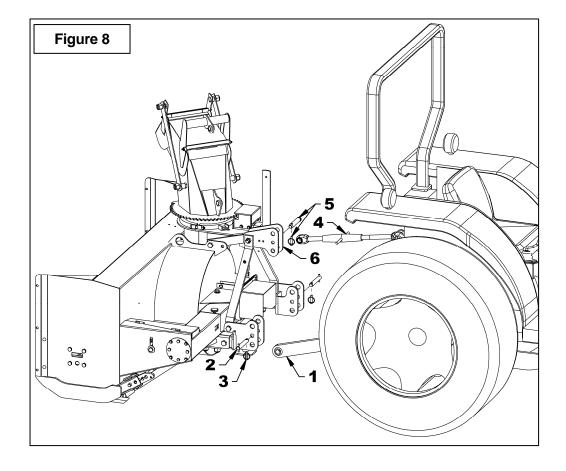
#### Installation of the Snowblower with a Three Point Hitch (Figures 8-9)

#### CATEGORY 1

#### (Figure 8)

- 1. Attach the lower hitches (item 1) by inserting the Ø7/8" Cat. 1 pins (item 2) in the middle holes of the lower hitches as shown and secure with 7/16" linchpins (item 3).
- **2.** Attach the upper hitch (item 4) between the upper plates (item 6) with the 5 7/16" lg. cat. 1 pin and a 7/16" linchpin (item 5).
- **3.** Level the snowblower with the upper hitch (item 4) so that it runs parallel to the ground.
- **4.** Set the tractor anti-sway turnbuckles so the snowblower does not sway. Be sure the turnbuckles clear the tractor tires.

<u>IMPORTANT</u>: Before connecting the snowblower driveline to the tractor drive shaft, make sure the driveline is not too long in raised, lowered or middle position. If the driveline is too long it must be shortened, to avoid damaged to the tractor. See procedure on pages 20 to 22.

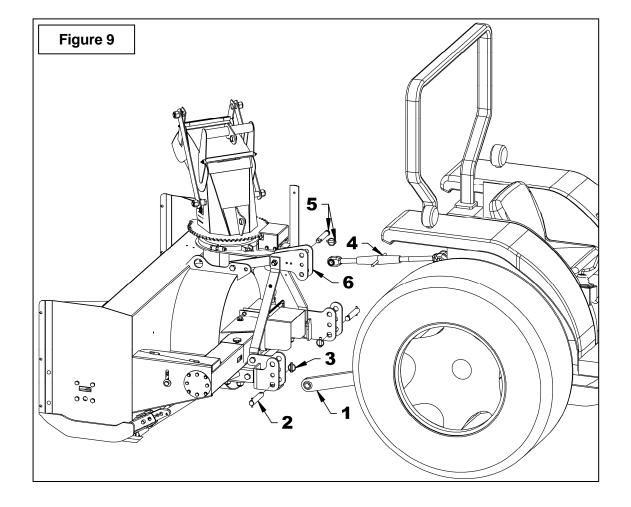


#### **CATEGORY 2**

#### (Figure 9)

- 1. Attach the lower hitches (item 1) by inserting the Ø1 1/8" Cat. 2 pins (item 2) in the lower holes of the lower hitches as shown and secure with the 7/16" linchpins (item 3).
- Attach the upper hitch (item 4) between the upper plates (item 6) with the 6 1/16" lg. cat. 2 pin and a 7/16" linchpin (item 5).
- **3.** Level the snowblower with the upper hitch (item 4) so that it runs parallel to the ground.
- 4. Set the tractor anti-sway turnbuckles so the snowblower does not sway. Be sure the turnbuckles clear the tractor tires.

<u>IMPORTANT</u>: Before connecting the snowblower driveline to the tractor drive shaft, make sure the driveline is not too long in raised, lowered or middle position. If the driveline is too long it must be shortened, to avoid damaged to the tractor. See procedure on pages 20 to 22.



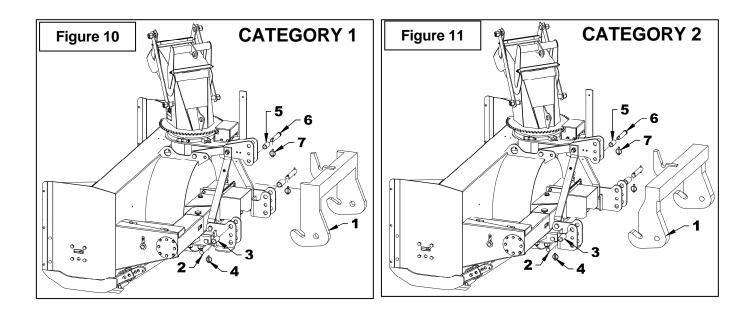
#### Installation of the Snowblower with a Quick Hitch (Figures 4-5)

**IMPORTANT:** Make sure the lower hitches are in the right position according to the category. The overhang of the bent section must be <u>on</u> <u>the outside for Cat. 1</u> and <u>on the inside for</u> <u>Cat. 2</u> as illustrated.

- Place two Ø1 1/2" ext. bushings (item 3) between the two upper holes of the lower hitches, insert the Ø1 1/8" x 6 1/4" lg cat. 2 pins (item 2) and lock in place with 7/16" linchpins (items 4).
- Insert a Ø1 1/4" ext. bushing (item 5) between the lower holes of the upper plates and lock in place with Ø3/4" x 5 7/16" cat. 1 pin and 7/16" linchpin (items 6-7)
- **3.** Unlock the quick hitch lower locks (item 1).

- 4. Lower the quick hitch as much as possible, back up the tractor while aligning the lower and upper quick hitch sockets with the pins of the three point hitch.
- 5. Slowly raise the tractor hitch until the snowblower is securily settled on the quick hitch (item 1).
- 6. Lock the quick hitch lower locks (item 1).

**IMPORTANT:** Before connecting the snowblower driveline to the tractor drive shaft, make sure the driveline is not too long in raised, lowered or middle position. If the driveline is too long it must be shortened, to avoid damaged to the tractor. See procedure on pages 20 to 22.



#### **IMPORTANT**:

A proper initial installation will give you years of satisfactory service on your equipment. Please read carefully following instructions that have been specially included to help you and ensure you are satisfied with your purchase.

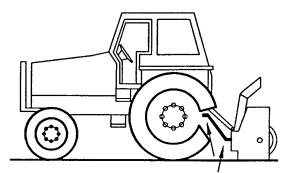
WARNING: Unfortunately, snowblowers will be faced with forgotten or hidden objects under the snow, such as : chain, tires, stones, pieces of wood, etc. In spite of all our efforts, machines are not built to resist all those conditions.

#### Danger: Tractors Too Big

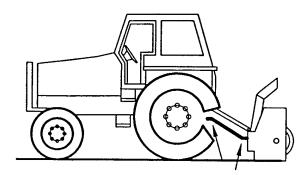
It is dangerous to use a tractor that is too big and powerful. The tractor will always be able to overload the blower, even if the machine is already at maximum capacity. Furthermore, tractors being very high, the driveline angles will be excessive which means the universal joints will be very vulnerable and the life of the driveline will be dramatically reduced.

#### How to Determine Driveline Angles

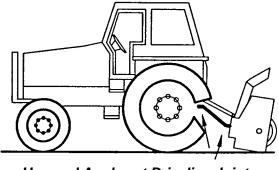
**IMPORTANT:** To obtain the proper universal joint angles, it is recommended to adjust the three point hitch at the furthest point from the tractor recommended by the manufacturer The universal joint angle is directly related with the life of driveline. In order to reduce the angle, it is necessary to increase the distance between the snowblower and the tractor.



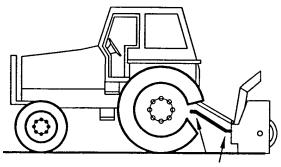
<u>Angles of Driveline Joints Too Large</u> <u>Avoid</u>



<u>Reasonable Angles of Driveline Joints</u> <u>Acceptable</u>



<u>Unequal Angles at Driveline Joints</u> <u>Avoid</u>



Equal Angles at Driveline Joints Recommended

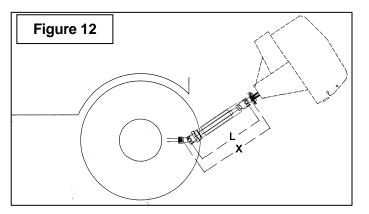
#### Angles at Each End of Driveline

A popular habit is to change the snowblower angle in order to obtain a better scraping effect. This practice can become harmful to the driveline since the angle at each end is unequal. This results in a fan speed variation as well as a drastic increase of load on cross and bearings. To be avoided: It is recommended to always keep tractor driveline and snowblower input shaft parallel.

#### **Determining Driveline Length**

**IMPORTANT**: Before using the equipment, make sure the driveline is not too long. At working position, the two half drivelines must intersect each other sufficiently to insure maximum efficiency but there must not be any interference.

- To determine the "L" length for your tractor model first find the "X" factor by measuring the horizontal distance between the end of the tractor's drive shaft and the end of the snowblower's driven shaft when the snowblower is in transport position as shown on Figure 12.
- Choose in the table below the "Y" factor according to the tractor category and deduct that number from "X" to determine "L" which is the center-to-center length between the universal joints.



| L = X - Y               |        |  |  |
|-------------------------|--------|--|--|
| 3 PTS HITCH<br>CATEGORY | Y      |  |  |
| Cat. 1                  | 4 1/2" |  |  |
| Cat. 2                  | 5 1/2" |  |  |

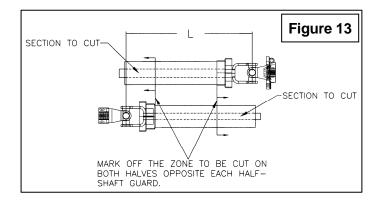
**NOTE:** Before cutting, make sure the two shafts intersect by at least 7 3/4" when in working position that is when the snowblower rests on the ground.

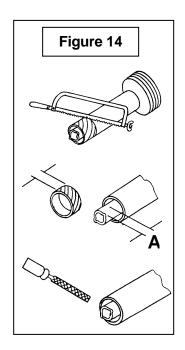
- Hold the two half-shaft side by side and locate the "L" length between the two center-to-center half-shaft universal joints. Mark off the zone to be cut on both halves opposite each half-shaft guard as shown on Figure 13.
- 4. Cut off inner and outer guard tubes as well as the inner and outer telescopic sections.
- Cut the guard a second time leaving the same distance between the end of the guard and the end of the shaft as existed before. To obtain the proper distance "A" shown on Figure 14, cut the guard according to the following table:

| DISTANCE A          |  |  |  |
|---------------------|--|--|--|
| Male PTO Female PTO |  |  |  |
| 2" 1 1/2"           |  |  |  |

- 6. File down tubes and remove chips.
- **7.** Apply grease to inside of outer telescopic section.

<u>IMPORTANT</u>: Work with fully guarded shafts only!





#### Installation of the Driveline

#### (Figure 15)

- 1. Raise the driveline shield (item 1).
- 2. Remove the paint from the gearbox shaft (item 3).
- **3.** Grease the sliding sections of the driveline as well as the yoke.
- 4. Remove the two bolts (item 4) and the two nuts (item 5) from the yoke (item 3) and connect the driveline to the snowblower. Make sure the driveline is secure on the shaft by reinstalling the bolts and nuts (items 4-5) in the order shown and tighten according to the *Torque Specification Table* at the end of the manual.
- **5.** Lower the driveline shield (item 1).
- 6. Attach the driveline chain to the eyebolt
- **7.** Before operating the snowblower, raise the parking stand from the ground.

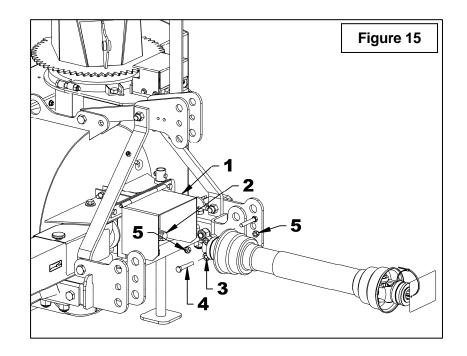
<u>NOTE:</u> Depending on tractor used, it may be necessary to install front tractor weights to maintain front-end stability.

<u>IMPORTANT</u>: To avoid damage to the snowblower, retorque all bolts after the first 10 hours of operation.

#### Removing Snowblower from Tractor

Find a level surface. Lower the parking stand. Remove the driveline from the tractor PTO. Detach the top link. Detach the right lower link then detach the left lower link.

<u>NOTE:</u> We recommend using the driveline chain when storing the snowblower.



### **OPERATION**

#### **GENERAL PREPARATION**

- 1. Read the operator's manual carefully before using the tractor and snowblower. Be thoroughly familiar with the controls and proper use of the equipment. Know how to stop the unit and disengage the controls quickly.
- **2.** Wear adequate winter outer garments while operating equipment.
- **3.** Make sure the snowblower is clear of snow before engaging the driveline.
- 4. Make sure the auger and fan operate freely.
- Check the oil level in the worm gear box and if necessary, add SAE 80W90 gear oil, AGMA 5EP oil or equivalent.
- **6.** Check the two shear bolts, one on the drive shaft and one on the PTO shaft for proper tightness.
- **7.** Adjust so that the snowblower skid shoes run level.

#### **OPERATING CONTROLS**

#### Raising and Lowering Snowblower

Move the three point lever down or forward to lower, and up or rearward to raise.

#### Work and Travel Speed

Working ground speed will depend on the depth and density of the snow to be cleared. Normally, ground speed will range from 4 to 7 MPH for light, dry snowfalls 3 to 6 inches, and 1 to 3 MPH for heavy, wet or drifted snow. To transport, disengage the drive shaft and raise the snowblower to full transport height.

#### PTO Operation

The driveline is activated by pulling up the driveline lever on left side of seat. Push down to disengage.

#### **ADJUSTMENTS**

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To avoid personal injury, be sure the tractor engine is off, the drive shaft disengaged, and all movement has stopped before making any adjustments.

#### Skid Shoe Adjustment

Adjust the snowblower so that the skid shoes run level. Adjust the skid shoes according to the surface conditions so that stones are not thrown with the snow, and adjust upwards for smooth surfaces. Adjust both skid shoes to the same height to keep the cutting edge level.

To adjust skid shoes, remove the pins and reinsert in the hole appropriate to the surface conditions:

Clearance between cutting edge and surface: •Level paved surface: Adjust to 1/16" to 1/8" .Uneven or gravel surface: Adjust to 1/2" and more according to size of gravel.

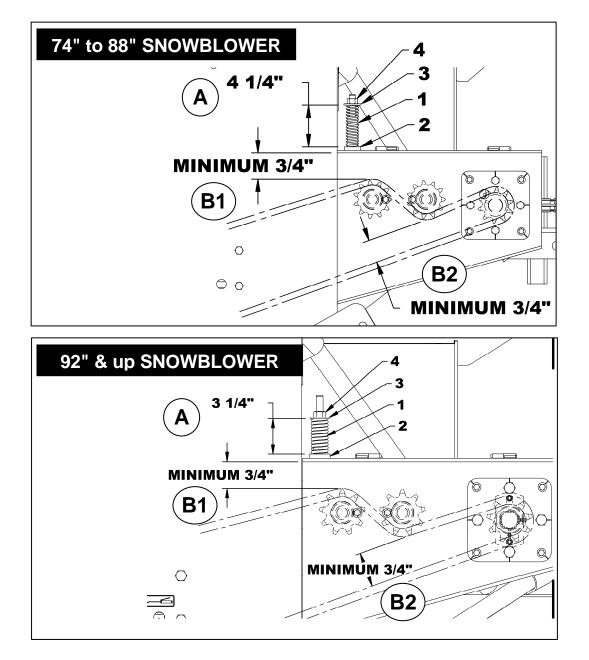
### **OPERATION**

#### Chain Idler Adjustment (Figure below)

#### A - COMPRESSION SPRING:

- 1. Every ten operating hours check the height of the compression spring (item 1), to have chain idler maximal efficiency.
- Adjust the distance from the top of the welded bushing (item 2) to the bottom of the flat washer (item 3) by tightening the nut (item 4), to obtain A:
  - 4 1/4" for 74" to 88" snowblower
  - 3 1/4" for 92" and up snowblower

- B DRIVING CHAIN:
- At the end of the operating season, check the chain elongation by measuring the distances
   B1 from top of the sprocket to underneath the side plate, and B2 the gap between the chain, as shown on figures.
- **2.** Those distances must be of 3/4" minimum, if not less than 3/4"; the chain is too much stretched and may caused premature wear of the sprockets. It needs to be changed.



### **OPERATION**

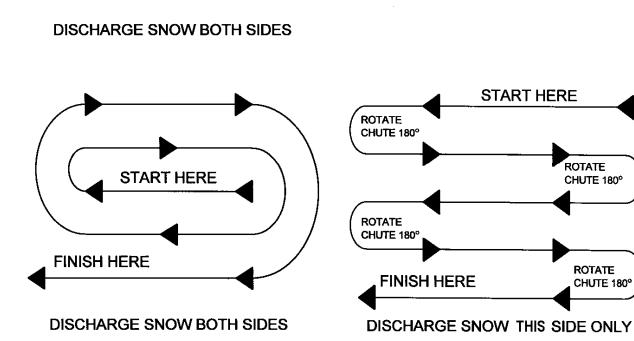
#### **SNOW REMOVAL METHODS**

When removing snow, do not use the snowblower as a dozer blade to push snow. Let the snowblower work its way through deep drifts. If the speed of your tractor is too fast, the snowblower may become overloaded and clog. For best results, raise the snowblower and remove a top layer of snow. A second pass with the snowblower will remove the remaining snow.

IMPORTANT : Use full RPM power when removing wet, sticky snow. Low RPM power will tend to clog the chute.

WARNING: Do not use hands or feet to unclog chute. Do not attempt to clear clogged chute of snow while tractor engine is running. If the chute clogs, disengage the drive shaft, shut off the tractor engine, remove the ignition key, wait for all movement to stop, and then clear the snow from the chute.

A definite pattern of operation is required to thoroughly clean the snow area. These patterns will avoid throwing snow in unwanted places as well as eliminating a second removal of snow.



PATTERN 1

Where it is possible to throw the snow to the left and right (above), as on a long driveway, it is advantageous to start in the middle. Plow from one end to the other, throwing snow to both sides without changing the direction of the discharge quide

If the snow can only be thrown to one side of the driveway or sidewalk (above), start on the opposite side. At the end of the first pass, rotate the discharge guide 180 degrees for the return pass. At the end of each succeeding pass, rotate the discharge guide 180 degrees to maintain direction of throw in the same area.

**PATTERN 2** 

START HERE

ROTATE

CHUTE 180°

ROTATE

CHUTE 180°

#### MAINTENANCE Shearbolts

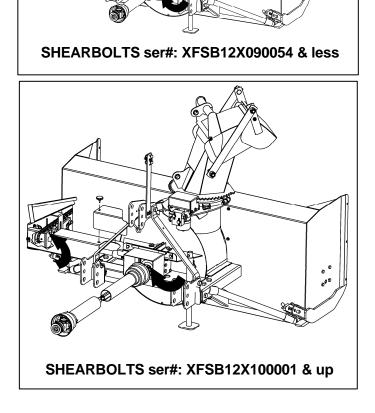
Check the shearbolts indicated on the figure below at frequent intervals for proper tightness to be sure the blower is in safe working condition. If the shearbolts need replacement, use the following parts only:

#### Drive Shaft:

- Serial # XFSB12X090054 & less = shearbolt 5/16"NC x 1 3/4" gr. 5 and nut, part# 5RD665547
- Serial # XFSB12X100001 & up = shearbolt 5/16"NC x 1 1/4" gr. 2, lockwasher and nut, part# 5RD669345

#### Driveline:

Bolt M10 x 1.50mm x 55mm long gr.8.8 PTD including nut. Part # 5RD657199.



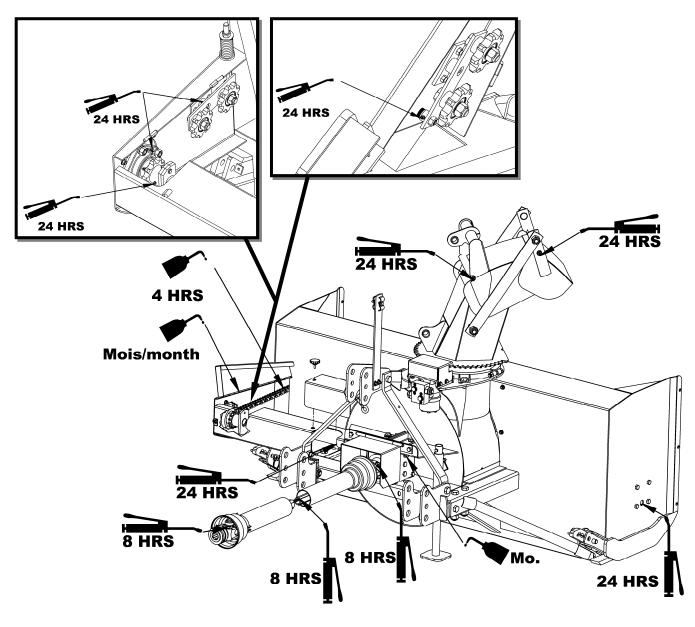
## WARNING: Provide adequate blocking before working under the snowblower when in the raised position.

#### **Driveline**

<u>IMPORTANT</u>: When the snowblower is not used for more than two weeks, perform driveline maintenance and always store it in a dry place, away from bad weather conditions.

#### **LUBRICATION** Use oil or a grease gun and lubricate as follows :

| DESCRIPTION | INTERVAL                            | LUBRICATION REQUIRED   |
|-------------|-------------------------------------|--|
| Driveline   | 8 hours                             | Grease each universal joint. Separate the sliding parts and cover each one of them with grease   |
| 2           | 16 hours                            | Oil the push pins  |
| Chain       | 4 hours<br>and after each operation | Lubricate with chain lube  |
|             | 24 hours                            | Grease chain idler   |
| Drive Shaft | 24 hours of operation               | Grease fitting on shear plate  |
| Gearbox     | Every month                         | Check oil level. If needed, add AGMA 5EP extreme pressure oil, SAE 80W90 gear oil or equivalent. |
|             | Once a year                         | Replace oil  |
| Bearing     | 24 hours of operation               | Grease each auger bearing  |



#### **DRIVELINE TROUBLESHOOTING**

|                       | AVOIDABLE DAMAGES   | POSSIBLE CAUSES  | CORRECTIVE ACTIONS   |
|-----------------------|---|--|--|
| QUICK-DISCONNECT YOKE | <ul> <li>Quick-disconnect pin tight or completely seized.</li> <li>Quick-disconnect pin damaged (broken or bent)</li> <li>Quick-disconnect pin damaged in the locking portion.</li> </ul> | <ul> <li>Quick-disconnect pin dirty<br/>(insufficient maintenance).</li> <li>Quick-disconnect pin<br/>defective (forced<br/>engagement, incorrect<br/>handling)</li> <li>Excessive shaft length.</li> <li>Axial loads too high.</li> </ul> | <ul> <li>Clean, oil and follow service<br/>instructions.</li> <li>Replace quick-disconnect pin.</li> <li>Shorten shaft length (cut both<br/>telescopic tubes as well as<br/>shield and remove burrs).</li> <li>Replace quick-disconnect pin.</li> <li>Clean and grease telescopic<br/>tubes, and replace both tubes,<br/>if necessary.</li> <li>Replace quick-disconnect pin.</li> </ul> |

Note: Quick-disconnect pins must be cleaned and greased every 16 hours.

|      | AVOIDABLE DAMAGES          | POSSIBLE CAUSES   | CORRECTIVE ACTIONS  |
|------|----------------------------|---|---|
| YOKE | Yoke ears deformation      | <ul> <li>Excessive shaft length.</li> <li>Axial loads too high.</li> <li>Excessive working angle<br/>and torque.</li> </ul> | <ul> <li>Shorten shaft length (cut both telescopic tubes as well as shields and remove burrs).</li> <li>Replace defective yokes.</li> <li>Clean and grease telescopic tubes, and replace both tubes, if necessary.</li> <li>Replace defective yokes.</li> <li>Verify compatibility between shaft and working conditions (torque vs. angle).</li> <li>Disengage tractor driveline during cornering or when lifting or lowering the implement.</li> <li>Change to a larger driveline size.</li> <li>Replace defective yokes.</li> </ul> |
|      | Yoke ears distorted.       | <ul> <li>Overload caused by high<br/>starting and peak torques.</li> </ul>  | <ul> <li>Engage driveline more<br/>carefully.</li> <li>Use appropriate safety<br/>devices.</li> <li>Replace defective yokes.</li> </ul>   |
|      | Yoke ears worn or pounded. | <ul> <li>Excessive working angle.</li> </ul>  | <ul> <li>Avoid excessive working<br/>angle.</li> <li>Disengage tractor driveline<br/>during cornering.</li> <li>Replace defective yokes.</li> </ul>   |

|                  | AVOIDABLE DAMAGES  | POSSIBLE CAUSES   | CORRECTIVE ACTIONS   |
|------------------|--|---|--|
| <u>Cross Kit</u> | Cross arms broken.   | <ul> <li>Extreme torque peak or<br/>shock load.</li> <li>Axial loads too high.</li> </ul>                             | <ul> <li>Use appropriate safety device.</li> <li>Change to a larger driveline size.</li> <li>Shorten driveline shaft.</li> <li>Replace defective cross bearings.</li> </ul>            |
|                  | <ul> <li>Bearing caps turning in their cross journal.</li> <li>Overheated bearing caps.</li> </ul> | <ul> <li>Excessive continuous<br/>torque and/or excessive<br/>working angle.</li> <li>Inadequate greasing.</li> </ul> | <ul> <li>Verify compatibility between<br/>shaft and working conditions.</li> <li>Carefully follow greasing<br/>instructions.</li> <li>Replace defective cross<br/>bearings.</li> </ul> |
|                  | Accelerated wear of cross kit.   | <ul> <li>Excessive continuous<br/>torque and/or excessive<br/>working angle.</li> <li>Inadequate greasing.</li> </ul> | <ul> <li>Verify compatibility between<br/>shaft and working conditions.</li> <li>Carefully follow greasing<br/>instructions.</li> <li>Replace defective cross<br/>bearings.</li> </ul> |

Note: Cross bearings must be greased every 8 working hours.

|                  | AVOIDABLE DAMAGES                     | POSSIBLE CAUSES  | CORRECTIVE ACTIONS  |
|------------------|---------------------------------------|--|---|
| TELESCOPIC TUBES | Telescopic tubes failure or twisting. | <ul> <li>Extreme torque peak or<br/>shock load.</li> <li>Short tube engagement.</li> </ul>                                 | <ul> <li>Use appropriate safety device.</li> <li>Change to a larger driveline size.</li> <li>Replace the driveline drive shaft with one having adequate length.</li> <li>Replace defective tubes.</li> </ul>                |
|                  | Accelerated wear of telescopic tubes. | <ul> <li>Extreme load when sliding.</li> <li>Short tube engagement.</li> <li>Inadequate greasing.</li> <li>Dirt</li> </ul> | <ul> <li>Change to a driveline with rilsan coated inner tube.</li> <li>Replace the driveline with one having adequate length.</li> <li>Carefully follow greasing instructions.</li> <li>Replace defective tubes.</li> </ul> |

Note: Telescopic tubes must be cleaned and greased every 8 working hours.

|        | AVOIDABLE DAMAGES  | POSSIBLE CAUSES   | CORRECTIVE ACTIONS  |
|--------|--|---|---|
| SHIELD | Excessive wear of shield bearings.                           | <ul> <li>Insufficient lubrication.</li> <li>Incorrect chain mounting.</li> <li>Shield interfering with implement.</li> </ul>  | <ul> <li>Follow lubrication instructions.</li> <li>Mount chain to allow<br/>maximum angularity.</li> <li>Avoid contact of the shields<br/>with fixed parts of the machine<br/>or tractor.</li> <li>Replace shield bearings.</li> </ul>                                  |
|        | Chain moving or failure.                                     | <ul> <li>Shield interfering with implement.</li> <li>Incorrect chain mounting.</li> </ul>   | <ul> <li>Avoid contact of the shields<br/>with fixed parts of the machine<br/>or tractor.</li> <li>Mount chain to allow<br/>maximum angularity.</li> <li>Replace defective parts.</li> </ul>  |
|        | Shield cone damaged.   | <ul> <li>Shield cone in contact with components on the tractor and/or implement.</li> <li>Excessive angularity.</li> </ul>  | <ul> <li>Eliminate interference<br/>between Shield cones and any<br/>part on the tractor and/or<br/>implement.</li> <li>Avoid excessive angle during<br/>cornering or when lifting or<br/>lowering the implement.</li> <li>Replace damaged Shield<br/>cones.</li> </ul> |
|        | Shield tubes damaged<br>(deformed and split at one<br>side). | <ul> <li>Shields in contact with components on the tractor and/or implement.</li> <li>Shield tubes overlap too short or no overlap at all with extended driveline.</li> </ul> | <ul> <li>Eliminate interference<br/>between Shield cones and<br/>any part on the tractor and/or<br/>implement.</li> <li>Replace damaged tubes.</li> <li>Adjust Shield tubes length<br/>with longer tubes.</li> </ul>  |
| C)     | A AND A  |   |   |

Note: Shield bearings must be greased every 8 working hours.

### PARTS

#### **INTRODUCTION**

All parts are illustrated in "exploded views" which show the individual parts in their normal relationship to each other. Reference numbers are used in the illustrations. These numbers correspond to those in the "Reference Number" (REF) column, and are followed by the description and quantity required.

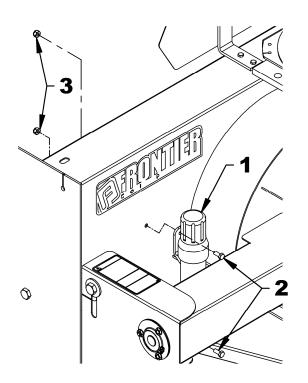
Right Hand and Left Hand are determined by those seen by the conductor standing behind the equipment.

The manufacturer reserves the rights to change, modify, or eliminate from time to time, for technical or other reasons, certain or all data, specifications, or the product or products themselves, without any liability or obligation.

The parts listed here are available through your local dealer.

#### MANUAL HOLDER - ALL MODELS

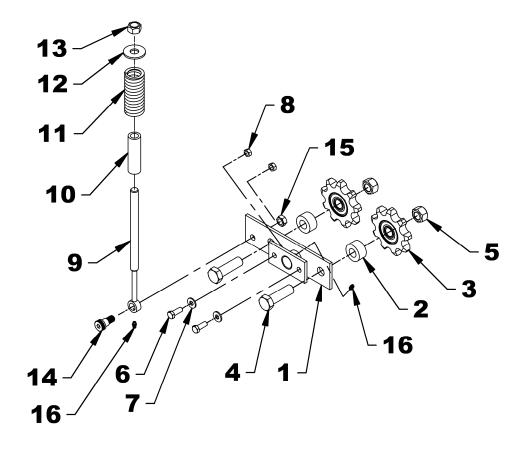
| Ref. | DESCRIPTION                             | QTY | PART#      |
|------|---|-----|------------|
| 1    | Manual holder                           | 1   | 5RD4200030 |
| 2    | Bolt hex. 5/16" NC x 3/4" lg gr. 5, PTD | 2   | 5RD0100018 |
| 3    | Nut nylon insert 5/16" NC, PTD          | 2   | 5RD1000005 |



### PARTS

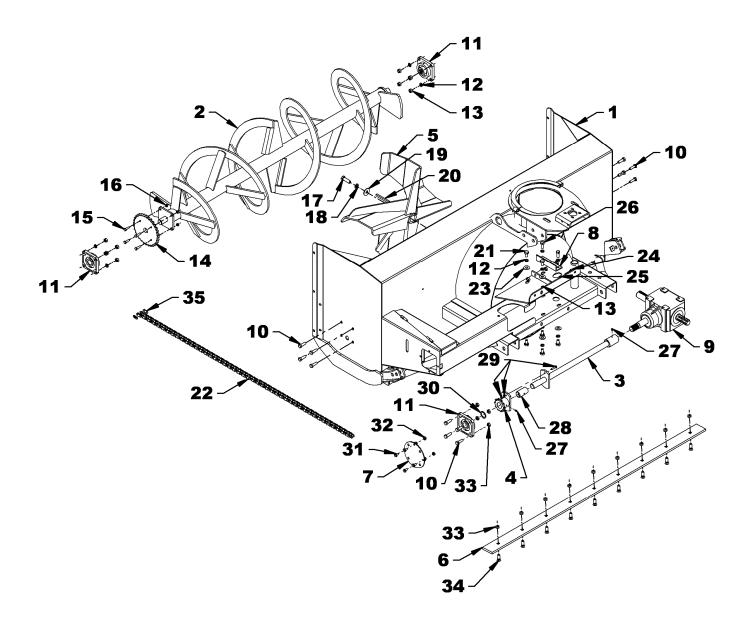
### CHAIN IDLER - SB1274 & SB1280

| Ref. | DESCRIPTION                         | QTY | PART #     |
|------|-------------------------------------|-----|------------|
| 1    | Chain Idler                         | 1   | 5RD669406  |
| 2    | Idler Spacer                        | 2   | 5RD669407  |
| 3    | Idler sprocket 60A12                | 2   | 5RD3300022 |
| 4    | Bolt hex. 5/8" NC X 2" gr.5, PTD    | 2   | 5RD0100095 |
| 5    | Stover nut 5/8", PTD                | 2   | 5RD1100007 |
| 6    | Bolt hex. 3/8" NC X 1" gr.5, PTD    | 2   | 5RD0100038 |
| 7    | Flat washer 5/16" (3/8" hole), PTD  | 2   | 5RD1400003 |
| 8    | Stover nut 3/8", PTD                | 2   | 5RD1100003 |
| 9    | Idler Lever                         | 1   | 5RD669401  |
| 10   | Spring guide PTD                    | 1   | 5RD669396  |
| 11   | Compression spring                  | 1   | 5RD664876  |
| 12   | Flat washer 5/8" (11/16" hole), PTD | 2   | 5RD1400008 |
| 13   | Nylon insert locknut 5/8", PTD      | 1   | 5RD1000012 |
| 14   | Shoulder screw 5/8" x 1/2" lg x 1/2 | 1   | 5RD3200023 |
| 15   | Stover nut 1/2", PTD                | 1   | 5RD1100006 |
| 16   | Grease fitting 1/4" NF              | 1   | 5RD654106  |



### PARTS

#### SNOWBLOWERS SB1274 & SB1280 - PART 1

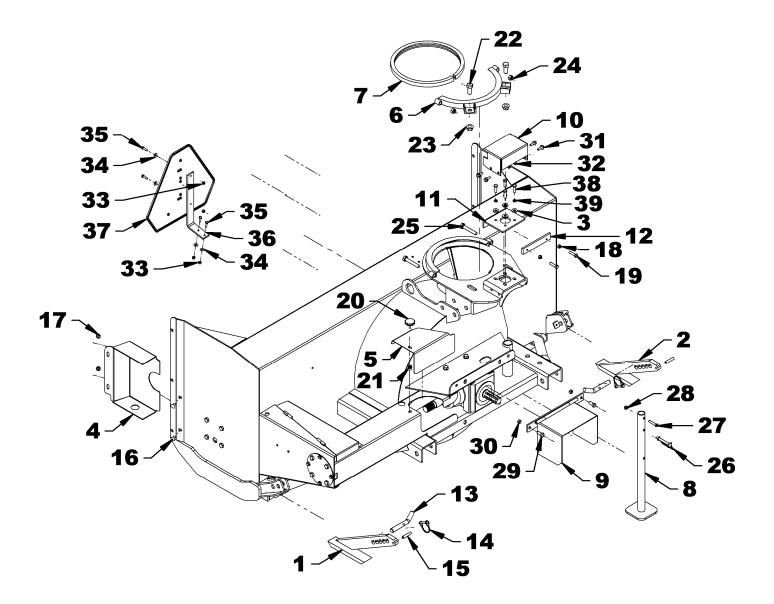


### SNOWBLOWERS SB1274 & SB1280 - PART 1

#### - XFSB12X100001 & UP

| Ref. Description         QTE         # DE PIECE         QTE         # DE PIECE           1         Housing               2         Auger         1         5RD669004         1         5RD66907           3         Driving shaft         1         5RD669344         1         5RD669014           4         Shear plate         1         5RD669014         1         5RD669014           6         Cutting edge         1         5RD669012         1         5RD669013           7         Driving shaft support         1         5RD669032         1         5RD669032           9         Gearbox idler         1         5RD669032         1         5RD669032           9         Gearbox         1         5RD669032         1         5RD669032           10         Bolt, hex. ø1/2"NC x 1 1/2", gr.5, PTD         12         5RD0100070         12         5RD6100070           11         Bearing ø1 1/4", 4 holes with 2 grease fittings         3         5RD4300001         3         5RD4300001           12         Lockwasher ø1/2" PTD         16         5RD0100039         4         5RD1100003           14         Sprocket #60A32, Ø1 1/4" ho   |      |  |     | SB1274     | SB1280 |            |  |
|---|------|--|-----|------------|--------|------------|--|
| 2         Auger         1         5RD669004         1         5RD669007           3         Driving shaft         1         5RD669346         1         5RD669347           4         Shear plate         1         5RD669344         1         5RD669344           5         Fan         1         5RD669012         1         5RD669013           7         Driving shaft support         1         5RD669012         1         5RD669032           9         Gearbox idler         1         5RD669032         1         5RD669032           9         Gearbox idler         1         5RD660302         1         5RD669032           9         Gearbox         1         5RD660302         1         5RD669032           9         Gearbox         1         5RD662195         1         5RD669032           10         Bolt, hex. ø1/2"NC x 1 1/2", gr.5, PTD         12         5RD0100070         12         5RD0100070           12         Lockwasher ø1/2" PTD         10         5RD643167         1         5RD6430001           13         Nut, hex 1/2"NC PTD         10         5RD1000039         4         5RD0100039           16         Stover nut ø3/8"NC X 1 1/4" gr.5, PTD  | Ref. | DESCRIPTION  | QTE | # DE PIECE | QTE    | # DE PIECE |  |
| 3         Driving shaft         1         5RD669344         1         5RD669344           4         Shear plate         1         5RD669344         1         5RD669344           5         Fan         1         5RD669014         1         5RD669014           6         Cutting edge         1         5RD669012         1         5RD669032           7         Driving shaft support         1         5RD669032         1         5RD662195           9         Gearbox idler         1         5RD6600070         12         5RD0100070           10         Bolt, hex. ø1/2"NC x 1 1/2", gr.5, PTD         12         5RD1000070         12         5RD0100070           11         Bearing ø1 1/4", 4 holes with 2 grease fittings         3         5RD4300001         3         5RD4300001           12         Lockwasher ø1/2" PTD         16         5RD1200006         16         5RD1200006           13         Nut, hex 1/2"NC PTD         10         5RD654167         1         5RD654167           15         Bolt, hex. ø3/8"NC X 1 1/4" gr.5, PTD         4         5RD1100003         4         5RD1100003           14         Stover nut ø3/8"NC X 1 1/4" gr.5, PTD         1         5RD1200007         1 <td< td=""><td>1</td><td>Housing</td><td></td><td></td><td></td><td></td></td<>   | 1    | Housing  |     |            |        |            |  |
| 4       Shear plate       1       5RD669344       1       5RD669344         5       Fan       1       5RD669014       1       5RD669014         6       Cutting edge       1       5RD669012       1       5RD669013         7       Driving shaft support       1       5RD669032       1       5RD669032         9       Gearbox idler       1       5RD669032       1       5RD669032         9       Gearbox       1       5RD669032       1       5RD669032         9       Gearbox       1       5RD662195       1       5RD662195         10       Bolt, hex. ø1/2"NC x 1 1/2", gr.5, PTD       12       5RD0100070       12       5RD0100070         11       Bearing øt 1/4", 4 holes with 2 grease fittings       3       5RD4300001       3       5RD4300001         12       Lockwasher ø1/2" PTD       16       5RD1100006       10       5RD090006       10       5RD090006         13       Nut, hex 1/2"NC PTD       10       5RD0100039       4       5RD0100039       1       5RD0100039         14       Strocket #60A32, Ø1 1/4" hole       1       5RD654167       1       5RD654167         15       Bolt, hex. 9/8"N X 4" Lg.  | 2    | Auger  | 1   | 5RD669004  | 1      | 5RD669007  |  |
| 5         Fan         1         5RD669014         1         5RD669014           6         Cutting edge         1         5RD669012         1         5RD669013           7         Driving shaft support         1         5RD669032         1         5RD669032           9         Gearbox idler         1         5RD669032         1         5RD669032           9         Gearbox         1         5RD669032         1         5RD669032           10         Bolt, hex. ø1/2"NC x 1 1/2", gr.5, PTD         12         5RD0100070         12         5RD0100070           11         berocket #60A32, Ø1 1/4" hole         1         5RD654167         1         5RD654167           15         Bolt, hex. ø3/8"NC X 1 1/4" gr.5, PTD         4         5RD1100039         4         5RD1100039           16         Stover nut ø3/8" NC Y 2, gr.5, PTD         1         5RD1400008         1         5RD1400008           18   | 3    | Driving shaft  | 1   | 5RD669346  | 1      | 5RD669347  |  |
| 6         Cutting edge         1         5RD669012         1         5RD669013           7         Driving shaft support         1         5RD669356         1         5RD669352           8         Gearbox idler         1         5RD669032         1         5RD669032           9         Gearbox idler         1         5RD662195         1         5RD662195           10         Bolt, hex. ø1/2"NC x 1 1/2", gr.5, PTD         12         5RD1000070         12         5RD100070           11         Bearing ø1 1/4", 4 holes with 2 grease fittings         3         5RD4300001         3         5RD4300001           12         Lockwasher ø1/2" PTD         16         5RD1200006         16         5RD1200006           13         Nut, hex 1/2"NC PTD         10         5RD0900006         10         5RD0900006           14         Sprocket #60A32, Ø1 1/4" hole         1         5RD654167         1         5RD654167           15         Bolt, hex. ø3/8"NC X 1 1/4" gr.5, PTD         4         5RD110003         4         5RD110003           16         Stover nut ø3/8"NC Y2", gr.5, PTD         1         5RD1200007         1         5RD1200007           18         Lockwasher ø5/8" (Ø11/16" int.) PTD         1 <td< td=""><td>4</td><td>Shear plate</td><td>1</td><td>5RD669344</td><td>1</td><td>5RD669344</td></td<> | 4    | Shear plate  | 1   | 5RD669344  | 1      | 5RD669344  |  |
| 7       Driving shaft support       1       5RD669356       1       5RD669356         8       Gearbox idler       1       5RD669032       1       5RD669032         9       Gearbox       1       5RD662195       1       5RD662032         9       Gearbox       1       5RD662195       1       5RD662032         10       Bolt, hex. ø1/2"NC x 1 1/2", gr.5, PTD       12       5RD0100070       12       5RD0100070         11       Bearing ø1 1/4", 4 holes with 2 grease fittings       3       5RD4300001       13       5RD4300001         12       Lockwasher ø1/2" PTD       16       5RD1200006       10       5RD0900006         13       Nut, hex 1/2"NC PTD       10       5RD0100039       4       5RD0100039         14       Sprocket #60A32, Ø1 1/4" nole       1       5RD0100039       4       5RD0100039         16       Stover nut ø3/8" NC Y 11 /4" gr.5, PTD       4       5RD110003       4       5RD110003         17       Bolt, hex. 5/8" NC X 2", gr.5, PTD       1       5RD1200007       1       5RD1200007         18       Lockwasher ø5/8" PTD       1       5RD450075       1       5RD450075         18       Lockwasher ø5/8" (Ø11/16" int.) PTD   | 5    | Fan  | 1   | 5RD669014  | 1      | 5RD669014  |  |
| 8         Gearbox idler         1         5RD669032         1         5RD669032           9         Gearbox         1         5RD662195         1         5RD662195           10         Bolt, hex. ø1/2"NC x 1 1/2", gr.5, PTD         12         5RD0100070         12         5RD0100070           11         Bearing ø1 1/4", 4 holes with 2 grease fittings         3         5RD4300001         3         5RD4300001           12         Lockwasher ø1/2" PTD         16         5RD1200006         16         5RD1200006           13         Nut, hex 1/2"NC PTD         10         5RD0900006         10         5RD0900006           13         Nut, hex 1/2"NC PTD         1         5RD654167         1         5RD654167           15         Bolt, hex. //3/8"NC X 1 1/4" gr.5, PTD         4         5RD0100039         4         5RD1100003           16         Stover nut ø3/8"NC X 2", gr.5, PTD         1         5RD1200007         1         5RD1200007           18         Lockwasher ø5/8" PTD         1         5RD1400008         1         5RD1400008           20         Key 3/8" X 3/8" X 4" lg.         1         5RD450075         1         5RD4500075           21         Bolt, hex. 1/2"NC x 1 3/4" lg r.5, PTD         6   | 6    | Cutting edge   | 1   | 5RD669012  | 1      | 5RD669013  |  |
| 9         Gearbox         1         5RD662195         1         5RD662195           10         Bolt, hex. ø1/2"NC x 1 1/2", gr.5, PTD         12         5RD0100070         12         5RD0100070           11         Bearing ø1 1/4", 4 holes with 2 grease fittings         3         5RD4300001         3         5RD4300001           12         Lockwasher ø1/2" PTD         16         5RD090006         16         5RD1200006           13         Nut, hex 1/2"NC PTD         10         5RD090006         10         5RD090006           14         Sprocket #60A32, Ø1 1/4" hole         1         5RD654167         1         5RD654167           15         Bolt, hex. ø3/8"NC X 1 1/4" gr.5, PTD         4         5RD0100039         4         5RD110003           16         Stover nut ø3/8" NC X 2", gr.5, PTD         1         5RD100003         4         5RD1100003           17         Bolt, hex. 5/8"NC X 2", gr.5, PTD         1         5RD1200007         1         5RD120007           19         Flat washer 5/8" (Ø11/16" int.) PTD         1         5RD4500075         1         5RD4500075           21         Bolt, hex. 1/2"NC x 1 'gr.5, PTD         2         5RD0100068         6         5RD1400006           22         Chain #60H X 94   | 7    | Driving shaft support                                  | 1   | 5RD669356  | 1      | 5RD669356  |  |
| 10         Bolt, hex. ø1/2"NC x 1 1/2", gr.5, PTD         12         5RD0100070         12         5RD0100070           11         Bearing ø1 1/4", 4 holes with 2 grease fittings         3         5RD4300001         3         5RD4300001           12         Lockwasher ø1/2" PTD         16         5RD1200006         16         5RD1200006           13         Nut, hex 1/2"NC PTD         10         5RD0900006         10         5RD090006           14         Sprocket #60A32, Ø1 1/4" hole         1         5RD654167         1         5RD654167           15         Bolt, hex. ø3/8"NC X 1 1/4" gr.5, PTD         4         5RD0100039         4         5RD0100039           16         Stover nut ø3/8" NC PTD         4         5RD0100035         1         5RD0100095           16         Stover nut ø3/8" NC Y 2", gr.5, PTD         1         5RD1200007         1         5RD1200007           17         Bolt, hex. 5/8" (Ø11/16" int.) PTD         1         5RD1400008         1         5RD1400008           20         Key 3/8" X 3/8" X 4" Ig.         1         5RD450075         1         5RD450075           21         Bolt, hex. 1/2"NC x 1" gr.5, PTD         6         5RD0140006         6         5RD1400006           22         Cha   | 8    | Gearbox idler  | 1   | 5RD669032  | 1      | 5RD669032  |  |
| 11         Bearing ø1 1/4", 4 holes with 2 grease fittings         3         5RD4300001         3         5RD4300001           12         Lockwasher ø1/2" PTD         16         5RD1200006         16         5RD1200006           13         Nut, hex 1/2"NC PTD         10         5RD690006         10         5RD690006           14         Sprocket #60A32, Ø1 1/4" hole         1         5RD654167         1         5RD654167           15         Bolt, hex. ø3/8"NC X 1 1/4" gr.5, PTD         4         5RD1100039         4         5RD0100039           16         Stover nut ø3/8"NC X 2", gr.5, PTD         1         5RD0100095         1         5RD1100003           17         Bolt, hex. 5/8" (C X 2", gr.5, PTD         1         5RD1100003         4         5RD120007           18         Lockwasher ø5/8" (Ø11/16" int.) PTD         1         5RD4300075         1         5RD450075           18         Lockwasher //2"NC x 1" gr.5, PTD.         6         5RD0100068         6         5RD0100068           20         Key 3/8" X 3/8" X 4" Ig.         1         5RD655788         1         5RD655788           21         Bolt, hex. 1/2"NC x 1 "gr.5, PTD         2         5RD0100071         2         5RD0100069           23         Fl   | 9    | Gearbox  | 1   | 5RD662195  | 1      | 5RD662195  |  |
| 12         Lockwasher ø1/2" PTD         16         SRD1200006         16         SRD1200006           13         Nut, hex 1/2"NC PTD         10         SRD0900006         10         SRD090006           14         Sprocket #60A32, Ø1 1/4" hole         1         SRD654167         1         SRD654167           15         Bolt, hex. ø3/8"NC X 1 1/4" gr.5, PTD         4         SRD0100039         4         SRD0100039           16         Stover nut ø3/8" NC YTD         4         SRD1100003         4         SRD1100003           17         Bolt, hex. 5/8"NC X 2", gr.5, PTD         1         SRD1200007         1         SRD120007           18         Lockwasher ø5/8" PTD         1         SRD140008         1         SRD140008           20         Key 3/8" X 4" Ig.         1         SRD4500075         1         SRD4500075           21         Bolt, hex. 1/2"NC x 1" gr.5, PTD.         6         SRD0100068         6         SRD0100068           22         Chain #60H X 94 links (inc. connecting link.)         1         SRD655788         1         SRD655788           23         Flat washer 1/2" (Ø9/16" int.) PTD         6         SRD1400006         6         SRD1400006           24         Bolt, hex. ø1/2"NC x 1 3/4" Ig gr.5,   | 10   | Bolt, hex. ø1/2"NC x 1 1/2", gr.5, PTD                 | 12  | 5RD0100070 | 12     | 5RD0100070 |  |
| 13         Nut, hex 1/2"NC PTD         10         5RD0900006         10         5RD0900006           14         Sprocket #60A32, Ø1 1/4" hole         1         5RD654167         1         5RD654167           15         Bolt, hex. ø3/8"NC X 1 1/4" gr.5, PTD         4         5RD010039         4         5RD010039           16         Stover nut ø3/8" NC PTD         4         5RD0100039         4         5RD0100039           16         Stover nut ø3/8" NC PTD         4         5RD0100095         1         5RD0100095           17         Bolt, hex. 5/8" NC X 2", gr.5, PTD         1         5RD1200007         1         5RD1200007           19         Flat washer 5/8" (Ø11/16" int.) PTD         1         5RD1400008         1         5RD4500075           20         Key 3/8" X 3/8" X 4" Ig.         1         5RD6550788         1         5RD6557788           21         Bolt, hex. 1/2"NC x 1 "gr.5, PTD         6         5RD1400006         6         5RD1400006           24         Bolt, hex. 1/2"NC x 1 3/4" Ig gr.5, PTD         2         5RD655788         1         5RD655788           23         Flat washer 1/2" (Ø9/16" int.) PTD         6         5RD1400006         6         5RD1400006           24         Bolt, hex. 1/2"NC   | 11   | Bearing ø1 1/4", 4 holes with 2 grease fittings        | 3   | 5RD4300001 | 3      | 5RD4300001 |  |
| 14       Sprocket #60A32, Ø1 1/4" hole       1       5RD654167       1       5RD654167         15       Bolt, hex. ø3/8"NC X 1 1/4" gr.5, PTD       4       5RD0100039       4       5RD0100039         16       Stover nut ø3/8"NC X 1 1/4" gr.5, PTD       4       5RD0100039       4       5RD0100039         17       Bolt, hex. 5/8"NC X 2", gr.5, PTD       1       5RD0100095       1       5RD0100095         18       Lockwasher ø5/8" PTD       1       5RD1200007       1       5RD1200007         19       Flat washer 5/8" (Ø11/16" int.) PTD       1       5RD4500075       1       5RD4500075         20       Key 3/8" X 3/8" X 4" Ig.       1       5RD4500075       1       5RD4500075         21       Bolt, hex. 1/2"NC x 1" gr.5, PTD.       6       5RD0100068       6       5RD0100068         22       Chain #60H X 94 links (inc. connecting link.)       1       5RD655788       1       5RD65788         23       Flat washer 1/2" (Ø9/16" int.) PTD       6       5RD1400006       6       5RD1400006         24       Bolt, hex. 1/2"NC x 1 3/4" Ig gr.5, PTD       2       5RD0100071       2       5RD0100071         25       SNU, jam hex. Ø1/2"NC x 1 1/4" gr.5, PTD       2       5RD654106       2  | 12   | Lockwasher ø1/2" PTD                                   | 16  | 5RD1200006 | 16     | 5RD1200006 |  |
| 15       Bolt, hex. ø3/8"NC X 1 1/4" gr.5, PTD       4       5RD0100039       4       5RD0100039         16       Stover nut ø3/8" NC PTD       4       5RD1100003       4       5RD1100003         17       Bolt, hex. 5/8"NC X 2", gr.5, PTD       1       5RD0100095       1       5RD0100095         18       Lockwasher ø5/8" PTD       1       5RD1200007       1       5RD1200007         19       Flat washer 5/8" (Ø11/16" int.) PTD       1       5RD4500075       1       5RD4500075         20       Key 3/8" X 4" Ig.       1       5RD4500075       1       5RD4500075         21       Bolt, hex. 1/2"NC x 1" gr.5, PTD.       6       5RD0100068       6       5RD0100068         22       Chain #60H X 94 links (inc. connecting link.)       1       5RD655788       1       5RD655788         23       Flat washer 1/2" (Ø9/16" int.) PTD       6       5RD1400006       6       5RD1400006         24       Bolt, hex. 1/2"NC x 1 3/4" Ig gr.5, PTD       2       5RD0100071       2       5RD0100071         25       Nut, jam hex. ø1/2"NC x 1 1/4" gr.5, PTD       2       5RD0100069       2       5RD0100069         27       Grease fitting 1/4"NF       2       5RD64106       2       5RD64106  | 13   | Nut, hex 1/2"NC PTD                                    | 10  | 5RD0900006 | 10     | 5RD0900006 |  |
| 16Stover nut ø3/8" NC PTD45RD110000345RD110000317Bolt, hex. 5/8"NC X 2", gr.5, PTD15RD01009515RD01009518Lockwasher ø5/8" PTD15RD120000715RD120000719Flat washer 5/8" (Ø11/16" int.) PTD15RD140000815RD140000820Key 3/8" X 3/8" X 4" lg.15RD450007515RD450007521Bolt, hex. 1/2"NC x 1" gr.5, PTD.65RD010006865RD010006822Chain #60H X 94 links (inc. connecting link.)15RD65578815RD65578823Flat washer 1/2" (Ø9/16" int.) PTD65RD140000665RD140000624Bolt, hex. 1/2"NC x 1 3/4" lg gr.5, PTD25RD010007125RD010007125Nut, jam hex. ø1/2"NC x 1 1/4" gr.5, PTD25RD010006925RD010006927Grease fitting 1/4"NF25RD65410625RD65410628Oilite bushing15RD66934515RD66934530Spacer ring 1/8" lg15RD66934515RD66934531Bolt, hex. serrated flange 3/8" NC X 3/4" lg PTD.45RD020006645RD020006632Nut, serrated fllange ø3/8"NC PTD45RD09003545RD09003533Nut, Stover ø1/2" NC PTD135RD1100006155RD110000634Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD95RD0400006115RD0400006   | 14   | Sprocket #60A32, Ø1 1/4" hole                          | 1   | 5RD654167  | 1      | 5RD654167  |  |
| 17Bolt, hex. 5/8"NC X 2", gr.5, PTD15RD010009515RD010009518Lockwasher ø5/8" PTD15RD120000715RD120000719Flat washer 5/8" (Ø11/16" int.) PTD15RD140000815RD140000820Key 3/8" X 3/8" X 4" Ig.15RD450007515RD450007521Bolt, hex. 1/2"NC x 1" gr.5, PTD.65RD010006865RD010006822Chain #60H X 94 links (inc. connecting link.)15RD65578815RD65578823Flat washer 1/2" (Ø9/16" int.) PTD65RD140000665RD140000624Bolt, hex. 1/2"NC x 1 3/4" Ig gr.5, PTD25RD010007125RD010007125Nut, jam hex. ø1/2"NC x 1 3/4" Ig gr.5, PTD25RD010007125RD010006926Bolt, hex. o1/2"NC x 1 1/4" gr.5, PTD25RD010006925RD010006927Grease fitting 1/4"NF25RD65410625RD65410628Oilite bushing15RD66934515RD66934530Spacer ring 1/8" Ig15RD66934515RD66934531Bolt, hex. serrated flange 3/8" NC X 3/4" Ig PTD.45RD020006645RD020006632Nut, serrated flange 3/8" NC X 3/4" Ig PTD.45RD09003545RD09003533Nut, Stover ø1/2" NC PTD135RD1100006155RD110000634Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD95RD0400006115RD0400006  | 15   | Bolt, hex. ø3/8"NC X 1 1/4" gr.5, PTD                  | 4   | 5RD0100039 | 4      | 5RD0100039 |  |
| 18       Lockwasher ø5/8" PTD       1       5RD1200007       1       5RD1200007         19       Flat washer 5/8" (Ø11/16" int.) PTD       1       5RD1400008       1       5RD1400008         20       Key 3/8" X 3/8" X 4" Ig.       1       5RD4500075       1       5RD4500075         21       Bolt, hex. 1/2"NC x 1" gr.5, PTD.       6       5RD0100068       6       5RD0100068         22       Chain #60H X 94 links (inc. connecting link.)       1       5RD655788       1       5RD655788         23       Flat washer 1/2" (Ø9/16" int.) PTD       6       5RD1400006       6       5RD1400006         24       Bolt, hex. 1/2"NC x 1 3/4" Ig gr.5, PTD       2       5RD0100071       2       5RD0100071         25       Nut, jam hex. Ø1/2"NC PTD.       2       5RD0100071       2       5RD0100069         26       Bolt, hex. Ø1/2"NC x 1 1/4" gr.5, PTD       2       5RD0100069       2       5RD0100069         27       Grease fitting 1/4"NF       2       5RD654106       2       5RD654106         28       Oilite bushing       1       5RD669345       1       5RD69345       3         30       Spacer ring 1/8" Ig       1       5RD669345       1       5RD669345       3   | 16   | Stover nut ø3/8" NC PTD                                | 4   | 5RD1100003 | 4      | 5RD1100003 |  |
| 19       Flat washer 5/8" (Ø11/16" int.) PTD       1       5RD1400008       1       5RD1400008         20       Key 3/8" X 3/8" X 4" lg.       1       5RD4500075       1       5RD4500075         21       Bolt, hex. 1/2"NC x 1" gr.5, PTD.       6       5RD0100068       6       5RD0100068         22       Chain #60H X 94 links (inc. connecting link.)       1       5RD655788       1       5RD655788         23       Flat washer 1/2" (Ø9/16" int.) PTD       6       5RD1400006       6       5RD1400006         24       Bolt, hex. 1/2"NC x 1 3/4" lg gr.5, PTD       2       5RD0100071       2       5RD0100071         25       Nut, jam hex. Ø1/2"NC x 1 3/4" lg gr.5, PTD       2       5RD0100071       2       5RD0100069         26       Bolt, hex. Ø1/2"NC x 1 1/4" gr.5, PTD       2       5RD0100069       2       5RD0100069         27       Grease fitting 1/4"NF       2       5RD654106       2       5RD6430072         29       Shearbolt 5/16"NC X 1 1/4"lg gr.2, inc. lock.& nut PTD       1       5RD669345       1       5RD669345         30       Spacer ring 1/8" lg       1       5RD690035       4       5RD0200066         31       Bolt, hex. serrated flange 3/8"NC X 3/4" lg PTD.       4       5RD020006   | 17   | Bolt, hex. 5/8"NC X 2", gr.5, PTD                      | 1   | 5RD0100095 | 1      | 5RD0100095 |  |
| 20       Key 3/8" X 3/8" X 4" Ig.       1       5RD4500075       1       5RD4500075         21       Bolt, hex. 1/2"NC x 1" gr.5, PTD.       6       5RD0100068       6       5RD0100068         22       Chain #60H X 94 links (inc. connecting link.)       1       5RD655788       1       5RD655788         23       Flat washer 1/2" (Ø9/16" int.) PTD       6       5RD1400006       6       5RD1400006         24       Bolt, hex. 1/2"NC x 1 3/4" Ig gr.5, PTD       2       5RD0100071       2       5RD0100071         25       Nut, jam hex. Ø1/2"NC x 1 1/4" gr.5, PTD       2       5RD0100069       2       5RD0100069         26       Bolt, hex. Ø1/2"NC x 1 1/4" gr.5, PTD       2       5RD654106       2       5RD654106         28       Oilite bushing       1       5RD669345       1       5RD69345       1       5RD669345         29       Shearbolt 5/16"NC X 1 1/4"Ig gr.2, inc. lock.& nut PTD       1       5RD669345       1       5RD669256       1       5RD669256         31       Bolt, hex. serrated flange 3/8" NC X 3/4" Ig PTD.       4       5RD0200066       4       5RD0200066         32       Nut, serrated flange Ø3/8"NC PTD       13       5RD1100006       15       5RD1100006         34  | 18   | Lockwasher ø5/8" PTD                                   | 1   | 5RD1200007 | 1      | 5RD1200007 |  |
| 21Bolt, hex. 1/2"NC x 1" gr.5, PTD.65RD010006865RD010006822Chain #60H X 94 links (inc. connecting link.)15RD65578815RD65578823Flat washer 1/2" (Ø9/16" int.) PTD65RD140000665RD140000624Bolt, hex. 1/2"NC x 1 3/4" lg gr.5, PTD25RD010007125RD010007125Nut, jam hex. Ø1/2"NC PTD.25RD090003825RD090003826Bolt, hex. Ø1/2"NC x 1 1/4" gr.5, PTD25RD010006925RD010006927Grease fitting 1/4"NF25RD65410625RD65410628Oilite bushing15RD430007215RD6934530Spacer ring 1/8" lg15RD66934515RD66934531Bolt, hex. serrated flange 3/8" NC X 3/4" lg PTD.45RD020006645RD020006632Nut, serrated flange Ø3/8"NC PTD135RD1100006155RD110000633Nut, Stover Ø1/2" NC PTD135RD010006115RD0400006  | 19   | Flat washer 5/8" (Ø11/16" int.) PTD                    | 1   | 5RD1400008 | 1      | 5RD1400008 |  |
| 22       Chain #60H X 94 links (inc. connecting link.)       1       5RD655788       1       5RD655788         23       Flat washer 1/2" (Ø9/16" int.) PTD       6       5RD1400006       6       5RD1400006         24       Bolt, hex. 1/2"NC x 1 3/4" lg gr.5, PTD       2       5RD0100071       2       5RD0100071         25       Nut, jam hex. Ø1/2"NC x 1 3/4" lg gr.5, PTD       2       5RD090038       2       5RD0900038         26       Bolt, hex. Ø1/2"NC x 1 1/4" gr.5, PTD       2       5RD0100069       2       5RD0100069         27       Grease fitting 1/4"NF       2       5RD654106       2       5RD654106         28       Oilite bushing       1       5RD4300072       1       5RD669345         29       Shearbolt 5/16"NC X 1 1/4"lg gr.2, inc. lock.& nut PTD       1       5RD669345       1       5RD669345         30       Spacer ring 1/8" lg       1       5RD669256       1       5RD669256       3       5RD0200066         31       Bolt, hex. serrated flange 3/8"NC PTD       4       5RD090035       4       5RD090035         33       Nut, Stover Ø1/2" NC PTD       13       5RD1100006       15       5RD1100006         34       Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD       9 <td< td=""><td>20</td><td>Key 3/8" X 3/8" X 4" lg.</td><td>1</td><td>5RD4500075</td><td>1</td><td>5RD4500075</td></td<>         | 20   | Key 3/8" X 3/8" X 4" lg.                               | 1   | 5RD4500075 | 1      | 5RD4500075 |  |
| 23Flat washer 1/2" (Ø9/16" int.) PTD65RD140000665RD140000624Bolt, hex. 1/2"NC x 1 3/4" lg gr.5, PTD25RD010007125RD010007125Nut, jam hex. Ø1/2"NC PTD.25RD090003825RD090003826Bolt, hex. Ø1/2"NC x 1 1/4" gr.5, PTD25RD010006925RD010006927Grease fitting 1/4"NF25RD65410625RD65410628Oilite bushing15RD430007215RD430007229Shearbolt 5/16"NC X 1 1/4"lg gr.2, inc. lock.& nut PTD15RD66934515RD66934530Spacer ring 1/8" lg15RD66925615RD66925631Bolt, hex. serrated flange 3/8" NC X 3/4" lg PTD.45RD020006645RD020006632Nut, serrated fllange Ø3/8"NC PTD135RD1100006155RD11000634Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD95RD0400006115RD0400006  | 21   | Bolt, hex. 1/2"NC x 1" gr.5, PTD.                      | 6   | 5RD0100068 | 6      | 5RD0100068 |  |
| 24       Bolt, hex. 1/2"NC x 1 3/4" lg gr.5, PTD       2       5RD0100071       2       5RD0100071         25       Nut, jam hex. Ø1/2"NC PTD.       2       5RD090038       2       5RD090038         26       Bolt, hex. Ø1/2"NC x 1 1/4" gr.5, PTD       2       5RD0100069       2       5RD0100069         27       Grease fitting 1/4"NF       2       5RD654106       2       5RD654106         28       Oilite bushing       1       5RD4300072       1       5RD669345         29       Shearbolt 5/16"NC X 1 1/4"lg gr.2, inc. lock.& nut PTD       1       5RD669345       1       5RD669345         30       Spacer ring 1/8" lg       1       5RD669256       1       5RD669256       1       5RD669256         31       Bolt, hex. serrated flange 3/8" NC X 3/4" lg PTD.       4       5RD090035       4       5RD090035         32       Nut, serrated flange ø3/8"NC PTD       4       5RD090035       4       5RD0900035         33       Nut, Stover ø1/2" NC PTD       13       5RD1100006       15       5RD1100006         34       Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD       9       5RD0400006       11       5RD0400006   | 22   | Chain #60H X 94 links (inc. connecting link.)          | 1   | 5RD655788  | 1      | 5RD655788  |  |
| 25       Nut, jam hex. Ø1/2"NC PTD.       2       5RD0900038       2       5RD0900038         26       Bolt, hex. Ø1/2"NC x 1 1/4" gr.5, PTD       2       5RD0100069       2       5RD0100069         27       Grease fitting 1/4"NF       2       5RD654106       2       5RD654106         28       Oilite bushing       1       5RD4300072       1       5RD4300072         29       Shearbolt 5/16"NC X 1 1/4"lg gr.2, inc. lock.& nut PTD       1       5RD669345       1       5RD669345         30       Spacer ring 1/8" lg       1       5RD62566       1       5RD669256         31       Bolt, hex. serrated flange 3/8" NC X 3/4" lg PTD.       4       5RD0900035       4       5RD0900035         32       Nut, serrated flange Ø3/8"NC PTD       4       5RD0900035       4       5RD0900035         33       Nut, Stover Ø1/2" NC PTD       13       5RD1100006       15       5RD1100006         34       Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD       9       5RD0400006       11       5RD0400006   | 23   | Flat washer 1/2" (Ø9/16" int.) PTD                     | 6   | 5RD1400006 | 6      | 5RD1400006 |  |
| 26       Bolt, hex. ø1/2"NC x 1 1/4" gr.5, PTD       2       5RD0100069       2       5RD0100069         27       Grease fitting 1/4"NF       2       5RD654106       2       5RD654106         28       Oilite bushing       1       5RD4300072       1       5RD4300072         29       Shearbolt 5/16"NC X 1 1/4"lg gr.2, inc. lock.& nut PTD       1       5RD669345       1       5RD669345         30       Spacer ring 1/8" lg       1       5RD669256       1       5RD669256         31       Bolt, hex. serrated flange 3/8" NC X 3/4" lg PTD.       4       5RD0200066       4       5RD0200066         32       Nut, serrated flange ø3/8"NC PTD       4       5RD0900035       4       5RD0900035         33       Nut, Stover ø1/2" NC PTD       13       5RD1100006       15       5RD1100006         34       Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD       9       5RD0400006       11       5RD0400006  | 24   | Bolt, hex. 1/2"NC x 1 3/4" lg gr.5, PTD                | 2   | 5RD0100071 | 2      | 5RD0100071 |  |
| 27       Grease fitting 1/4"NF       2       5RD654106       2       5RD654106         28       Oilite bushing       1       5RD4300072       1       5RD4300072         29       Shearbolt 5/16"NC X 1 1/4"lg gr.2, inc. lock.& nut PTD       1       5RD669345       1       5RD669345         30       Spacer ring 1/8" lg       1       5RD669256       1       5RD669256         31       Bolt, hex. serrated flange 3/8" NC X 3/4" lg PTD.       4       5RD0200066       4       5RD0200066         32       Nut, serrated fllange ø3/8"NC PTD       4       5RD0900035       4       5RD0900035         33       Nut, Stover ø1/2" NC PTD       13       5RD1100006       15       5RD1100006         34       Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD       9       5RD0400006       11       5RD0400006  | 25   | Nut, jam hex. ø1/2"NC PTD.                             | 2   | 5RD0900038 | 2      | 5RD0900038 |  |
| 28       Oilite bushing       1       5RD4300072       1       5RD4300072         29       Shearbolt 5/16"NC X 1 1/4"lg gr.2, inc. lock.& nut PTD       1       5RD669345       1       5RD669345         30       Spacer ring 1/8" lg       1       5RD669256       1       5RD669256         31       Bolt, hex. serrated flange 3/8" NC X 3/4" lg PTD.       4       5RD0200066       4       5RD0200066         32       Nut, serrated flange ø3/8"NC PTD       4       5RD0900035       4       5RD0900035         33       Nut, Stover ø1/2" NC PTD       13       5RD1100006       15       5RD1100006         34       Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD       9       5RD0400006       11       5RD0400006  | 26   | Bolt, hex. ø1/2"NC x 1 1/4" gr.5, PTD                  | 2   | 5RD0100069 | 2      | 5RD0100069 |  |
| 29       Shearbolt 5/16"NC X 1 1/4"lg gr.2, inc. lock.& nut PTD       1       5RD669345       1       5RD669345         30       Spacer ring 1/8" lg       1       5RD669256       1       5RD669256         31       Bolt, hex. serrated flange 3/8" NC X 3/4" lg PTD.       4       5RD0200066       4       5RD0200066         32       Nut, serrated flange ø3/8"NC PTD       4       5RD0900035       4       5RD0900035         33       Nut, Stover ø1/2" NC PTD       13       5RD1100006       15       5RD1100006         34       Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD       9       5RD0400006       11       5RD0400006  | 27   | Grease fitting 1/4"NF                                  | 2   | 5RD654106  | 2      | 5RD654106  |  |
| 30         Spacer ring 1/8" lg         1         5RD669256         1         5RD669256           31         Bolt, hex. serrated flange 3/8" NC X 3/4" lg PTD.         4         5RD0200066         4         5RD0200066           32         Nut, serrated flange ø3/8"NC PTD         4         5RD0900035         4         5RD0900035           33         Nut, Stover ø1/2" NC PTD         13         5RD1100006         15         5RD1100006           34         Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD         9         5RD0400006         11         5RD0400006  | 28   | Oilite bushing   | 1   | 5RD4300072 | 1      | 5RD4300072 |  |
| 30         Spacer ring 1/8" lg         1         5RD669256         1         5RD669256           31         Bolt, hex. serrated flange 3/8" NC X 3/4" lg PTD.         4         5RD0200066         4         5RD0200066           32         Nut, serrated flange ø3/8"NC PTD         4         5RD0900035         4         5RD0900035           33         Nut, Stover ø1/2" NC PTD         13         5RD1100006         15         5RD1100006           34         Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD         9         5RD0400006         11         5RD0400006  | 29   | Shearbolt 5/16"NC X 1 1/4"lg gr.2, inc. lock.& nut PTD | 1   | 5RD669345  | 1      | 5RD669345  |  |
| 32         Nut, serrated fllange ø3/8"NC PTD         4         5RD0900035         4         5RD0900035           33         Nut, Stover ø1/2" NC PTD         13         5RD1100006         15         5RD1100006           34         Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD         9         5RD0400006         11         5RD0400006   | 30   |  | 1   | 5RD669256  | 1      | 5RD669256  |  |
| 32         Nut, serrated fllange ø3/8"NC PTD         4         5RD0900035         4         5RD0900035           33         Nut, Stover ø1/2" NC PTD         13         5RD1100006         15         5RD1100006           34         Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD         9         5RD0400006         11         5RD0400006   | 31   | Bolt, hex. serrated flange 3/8" NC X 3/4" lg PTD.      | 4   | 5RD0200066 | 4      | 5RD0200066 |  |
| 34 Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD         9 5RD0400006         11 5RD0400006  | 32   |  | 4   | 5RD0900035 | 4      | 5RD0900035 |  |
|   | 33   | Nut, Stover ø1/2" NC PTD                               | 13  | 5RD1100006 | 15     | 5RD1100006 |  |
| 35 Connecting link #60         1         5RD654839         1         5RD654839  | 34   | Bolt, plow 1/2"NC x 1 1/2" gr.5, PTD                   | 9   | 5RD0400006 | 11     | 5RD0400006 |  |
|   | 35   | Connecting link #60                                    | 1   | 5RD654839  | 1      | 5RD654839  |  |

### SNOWBLOWERS SB1274 & SB1280 - PART 2

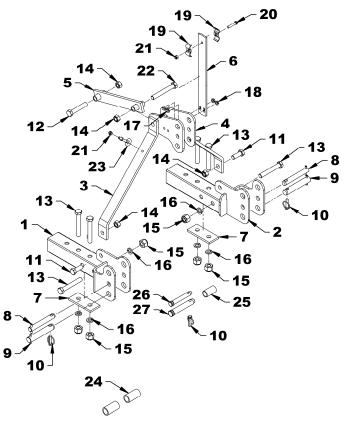


### SNOWBLOWERS SB1274 & SB1280 - PART 2

|      |  |     | SB1274     |     | SB1280     |  |
|------|--|-----|------------|-----|------------|--|
| Ref. | DESCRIPTION                                | QTY | PART #     | QTY | PART #     |  |
| 1    | Skid shoe - LH                             | 1   | 5RD669020  | 1   | 5RD669020  |  |
| 2    | Skid shoe - RH                             | 1   | 5RD669021  | 1   | 5RD669021  |  |
| 3    | Flat washer 3/8" (Ø 7/16" int.) PTD        | 4   | 5RD1400004 | 4   | 5RD1400004 |  |
| 4    | Chain guard                                | 1   | 5RD669024  | 1   | 5RD669024  |  |
| 5    | Rear guard                                 | 1   | 5RD669026  | 1   | 5RD669026  |  |
| 6    | Retaining plate                            | 1   | 5RD669030  | 1   | 5RD669030  |  |
| 7    | Rotation bushing 5/8" x 3/4"               | 1   | 5RD669042  | 1   | 5RD669042  |  |
| 8    | Parking stand                              | 1   | 5RD668091  | 1   | 5RD668091  |  |
| 9    | Driveline shield                           | 1   | 5RD663675  | 1   | 5RD663675  |  |
| 10   | Gear shield                                | 1   | 5RD667929  | 1   | 5RD667929  |  |
| 11   | Anchoring plate                            | 1   | 5RD667338  | 1   | 5RD667338  |  |
| 12   | Anchoring flat bar                         | 1   | 5RD667339  | 1   | 5RD667339  |  |
| 13   | Pin 3/4" x 3 13/16" lg. bent, PTD          | 2   | 5RD667899  | 2   | 5RD667899  |  |
| 14   | Wire lock pin 1/4" X 1 3/4" round          | 2   | 5RD1900006 | 2   | 5RD1900006 |  |
| 15   | Spring pin ø3/8" X 2" lg., black           | 2   | 5RD1600024 | 2   | 5RD1600024 |  |
| 16   | Bolt, carriage 3/8" NC x 3/4" lg, PTD      | 2   | 5RD0300007 | 6   | 5RD0300007 |  |
| 17   | Nut, serrated flange. ø3/8"NC PTD          | 2   | 5RD0900035 | 6   | 5RD0900035 |  |
| 18   | Nut, hex. ø3/8"NC PTD.                     | 2   | 5RD0900003 | 2   | 5RD0900003 |  |
| 19   | Bolt, hex. ø3/8"NC x 1 1/2" gr. 5 PTD      | 2   | 5RD0100040 | 2   | 5RD0100040 |  |
| 20   | Knob 5/16"NC                               | 1   | 5RD661832  | 1   | 5RD661832  |  |
| 21   | Nut, knurled Ø5/16 NC X .690 lg            | 1   | 5RD2401012 | 1   | 5RD2401012 |  |
| 22   | Bolt hex. ø5/8"NC x 1 1/2", gr. 5 PTD      | 2   | 5RD0100093 | 2   | 5RD0100093 |  |
| 23   | Nut, serrated flange ø5/8"NC PTD           | 2   | 5RD0900073 | 2   | 5RD0900073 |  |
| 24   | Nut, nylon insert ø1/2" NC, PTD            | 2   | 5RD1000011 | 2   | 5RD1000011 |  |
| 25   | Bolt hex. 1/2"NC x 3 1/4", Gr.5, PTD       | 2   | 5RD0100078 | 2   | 5RD0100078 |  |
| 26   | Wire lock pin 3/8" X 2 1/2", square        | 1   | 5RD1900008 | 1   | 5RD1900008 |  |
| 27   | Bolt hex. 5/16" NC X 1 3/4" lg PTD         | 1   | 5RD0100022 | 1   | 5RD0100022 |  |
| 28   | Nut, nylon insert ø5/16"NC PTD             | 1   | 5RD1000005 | 1   | 5RD1000005 |  |
| 29   | Bolt, hex. ø7/16"NC x 1", gr. 5 PTD        | 2   | 5RD0100056 | 2   | 5RD0100056 |  |
| 30   | Nut, nylon insert 7/16"NC, PTD             | 2   | 5RD1000009 | 2   | 5RD1000009 |  |
| 31   | Bolt, serrated flange ø5/16"NC x 1" lg PTD | 4   | 5RD0200091 | 4   | 5RD0200091 |  |
| 32   | Nut, serrated flange ø5/16"NC PTD          | 4   | 5RD0900036 | 4   | 5RD0900036 |  |
| 33   | Nut, nylon insert 1/4"NC, PTD              | 4   | 5RD1000003 | 4   | 5RD1000003 |  |
| 34   | Flat washer 1/4", PTD                      | 4   | 5RD1400002 | 4   | 5RD1400002 |  |
| 35   | Bolt, hex. 1/4"NC x 1", gr. 5, PTD         | 4   | 5RD0100004 | 4   | 5RD0100004 |  |
| 36   | S.M.V. sign support                        | 1   | 5RD669064  | 1   | 5RD669064  |  |
| 37   | S.M.V. reflective sign                     | 1   | 5RD4200029 | 1   | 5RD4200029 |  |
| 38   | Bolt hex. ø3/8"NC X 1 1/4" gr. 5 PTD       | 4   | 5RD0100039 | 4   | 5RD0100039 |  |
| 39   | Lockwasher3/8", PTD.                       | 4   | 5RD1200004 | 4   | 5RD1200004 |  |

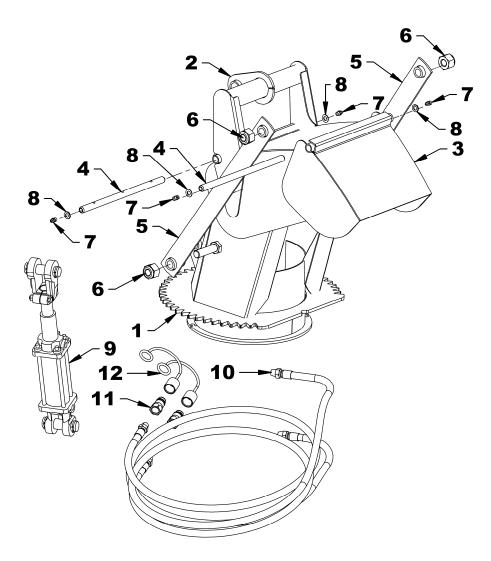
## THREE POINT HITCH

| Ref. | DESCRIPTION                                    | Qτγ | PART#      |
|------|--|-----|------------|
| 1    | Lower hitch - LH Cat. 1 & 2                    | 1   | 5RD669015  |
| 2    | Lower hitch - RH Cat. 1 & 2                    | 1   | 5RD669016  |
| 3    | Hitch - LH                                     | 1   | 5RD669018  |
| 4    | Hitch - RH                                     | 1   | 5RD669017  |
| 5    | Upper hitch                                    | 1   | 5RD669019  |
| 6    | Hose support                                   | 1   | 5RD669031  |
| 7    | Reinforcement plate                            | 2   | 5RD668117  |
| 8    | Pin Cat. 1                                     | 2   | 5RD4600043 |
| 9    | Pin Cat. 2                                     | 2   | 5RD4600042 |
| 10   | Linchpin 7/16" PTD                             | 3   | 5RD1900003 |
| 11   | Bolt, hex. 3/4"NC x 2", gr.5, PTD              | 2   | 5RD0100117 |
| 12   | Bolt, hex. 3/4"NC x 4", gr. 5, PTD             | 1   | 5RD0100124 |
| 13   | Bolt, hex. 3/4"NC x 5", gr. 5 PTD              | 6   | 5RD0100126 |
| 14   | Nut, Stover 3/4"NC PTD                         | 4   | 5RD1100008 |
| 15   | Nut, nylon insert ø3/4"NC PTD                  | 6   | 5RD1000013 |
| 16   | Lockwasher ø3/4" PTD                           | 6   | 5RD1200008 |
| 17   | Bolt, serrated flange 3/8"NC x 1 1/4" lg. PTD. | 2   | 5RD0200079 |
| 18   | Nut, serrated flange. Ø3/8"nc PTD              | 2   | 5RD0900035 |
| 19   | Hose clamp, double                             | 2   | 5RD666583  |
| 20   | Bolt, hex. 3/8"NC x 2", gr.5 PTD               | 1   | 5RD0100042 |
| 21   | Nut, nylon insert ø3/8"NC PTD                  | 2   | 5RD1000006 |
| 22   | Bolt, hex. 3/4"NC x 5 1/2", gr.5, PTD          | 1   | 5RD0100127 |
| 23   | Eyebolt 3/8"NC x 4" PTD                        | 1   | 5RD0400027 |
| 24   | Lower bushing ø1 1/2" ext. x 2 7/8" lg PTD     | 2   | 5RD668608  |
| 25   | Upper bushing ø 1 1/4 Ø ext. x 2 3/8" lg PTD   | 1   | 5RD668607  |
| 26   | Pin 3/4" x 5 7/16" lg Cat.1 PTD                | 1   | 5RD4600051 |
| 27   | Pin 1" x 6 1/16" lg Cat.2 PTD                  | 1   | 5RD4600052 |



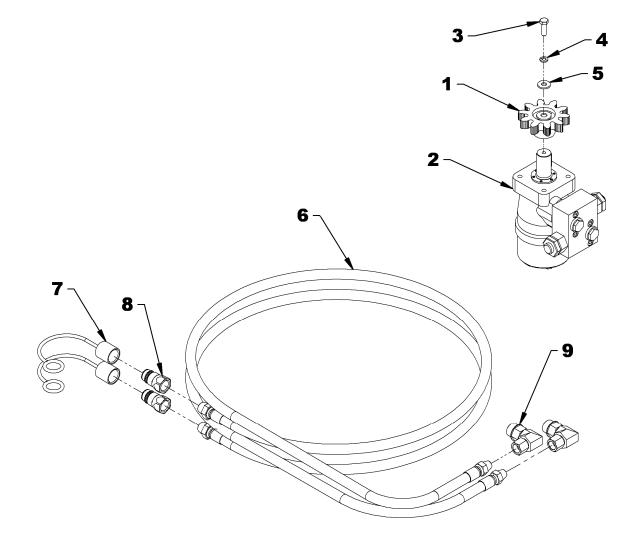
## THREE PART CHUTE - 5RDF0024

| Ref. | DESCRIPTION                                     | QTY | PART #     |
|------|---|-----|------------|
| 1    | Chute base                                      | 1   | 5RD669036  |
| 2    | Middle deflector                                | 1   | 5RD669037  |
| 3    | Upper deflector                                 | 1   | 5RD669038  |
| 4    | Hinge pin                                       | 2   | 5RD669039  |
| 5    | Flat bar  | 2   | 5RD669040  |
| 6    | Nut, nylon insert ø3/4" PQE                     | 4   | 5RD1000013 |
| 7    | Flat washer 10mm PTD                            | 4   | 5RD1400019 |
| 8    | Grease fitting 1/8" NPT straight                | 4   | 5RD656493  |
| 9    | Cylinder 2" x 4"                                | 1   | 5RD3900447 |
|      | Seal kit  | 1   | 5RD3900205 |
| 10   | Hose 3/8" x 108", 3/8" NPT male x 1/2" NPT male | 2   | 5RD3700145 |
| 11   | Quick coupler 1/2" NPT male                     | 2   | 5RD656480  |
| 12   | Dust cap  | 2   | 5RD664898  |



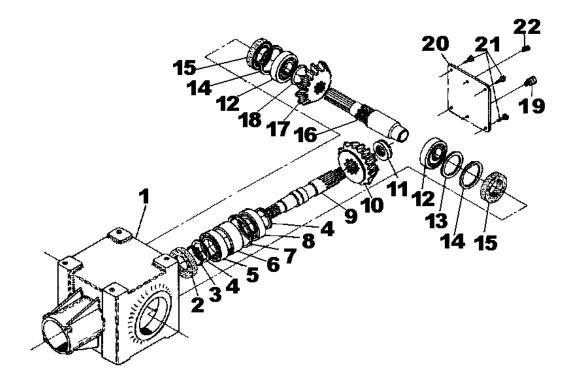
## HYDRAULIC CHUTE ROTATION

| Ref. | DESCRIPTION                                  | QTY | PART #     |
|------|--|-----|------------|
| 1    | Motor gear                                   | 1   | 5RD665930  |
| 2    | Hydraulic motor                              | 1   | 5RD3910012 |
|      | - Seal kit, relief valve o-rings incl.       |     | 5RD3910013 |
|      | - Key 1/4"x 1/4"x 3/4"lg (not illustrated)   | 1   | 5RD654686  |
| 3    | Bolt M8 x 1.25 x 25 mm lg, PTD               | 1   | 5RD0200007 |
| 4    | Lockwasher 5/16", PTD                        | 1   | 5RD1200003 |
| 5    | Flat washer 5/16" (3/8" hole), PTD           | 1   | 5RD1400003 |
| 6    | Hose 3/8" x 82" lg 3/8" NPT RM x 1/2" NPT RM | 2   | 5RD3700142 |
| 7    | Dust cap                                     | 2   | 5RD664898  |
| 8    | Quick coupler 1/2" NPT male                  | 2   | 5RD656480  |
| 9    | Elbow 90º - 7/8-14 ORB male x 3/8-18 NPT SWF | 2   | 5RD2600185 |



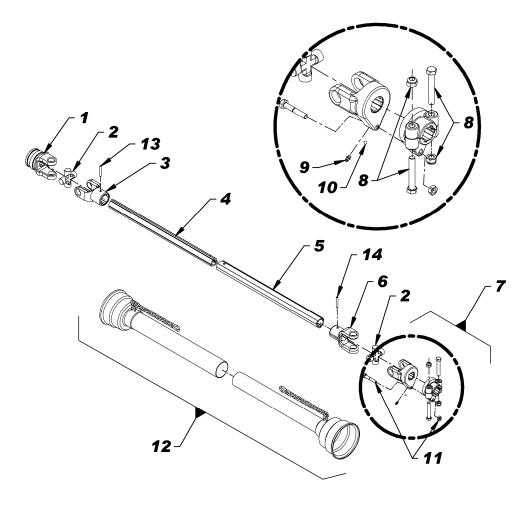
## **WORM GEAR BOX – 5RD662195**

| Ref. | DESCRIPTION               | QTY | PART #    |
|------|---------------------------|-----|-----------|
| 1    | Casing                    | 1   | 5RD656640 |
| 2    | Seal kit 35 x 72 x 10     | 1   | 5RD659845 |
| 3    | External retaining ring   | 1   | 5RD656652 |
| 4    | Spacer                    | 2   | 5RD656649 |
| 5    | Bearing flange            | 1   | 5RD659844 |
| 6    | Spacer                    | 1   | 5RD656648 |
| 7    | Internal retaining ring   | 1   | 5RD656654 |
| 8    | Bearing flange            | 1   | 5RD656647 |
| 9    | Shaft                     | 1   | 5RD656651 |
| 10   | Gear                      | 1   | 5RD656645 |
| 11   | External retaining ring   | 1   | 5RD656646 |
| 12   | Bearing flange            | 2   | 5RD656641 |
| 13   | Spacer                    | 1   | 5RD656644 |
| 14   | Internal retaining ring   | 2   | 5RD656642 |
| 15   | Seal kit 40 x 80 x 12     | 2   | 5RD656643 |
| 16   | Shaft                     | 1   | 5RD662212 |
| 17   | Gear                      | 1   | 5RD656657 |
| 18   | Spacer                    | 1   | 5RD661146 |
| 19   | Plug                      | 1   | 5RD656662 |
| 20   | Cover                     | 1   | 5RD656660 |
| 21   | Bolt hex. M10 x 14 gr.8.8 | 4   | 5RD656659 |
| 22   | Plug 3/8" NPT             | 2   | 5RD655259 |



## DRIVELINE 5RD662194

| Ref. | DESCRIPTION                                     | QTY. | PART #    |
|------|---|------|-----------|
| 1    | Push pin yoke assembly                          | 1    | 5RD657209 |
| 2    | Journal cross                                   | 2    | 5RD657200 |
| 3    | Outer yoke                                      | 1    | 5RD663119 |
| 4    | Outer tube                                      | 1    | 5RD663123 |
| 5    | Inner tube                                      | 1    | 5RD663124 |
| 6    | Inner yoke                                      | 1    | 5RD663126 |
| 7    | Yoke and hub assembly                           | 1    | 5RD662198 |
| 8    | Bolt and nut                                    | 2    | 5RD662199 |
| 9    | Grease fitting                                  | 1    | 5RD663129 |
| 10   | Ball Ø14"                                       | 23   | 5RD663163 |
| 11   | Shear bolt M10 x 1.5 x 55mm gr. 8.8 PTD and nut | 1    | 5RD657199 |
| 12   | Shields with safety chain                       | 1    | 5RD657221 |
| 13   | Pin for male tube                               | 1    | 5RD663125 |
| 14   | Pin for female tube                             | 1    | 5RD663120 |



## **TORQUE SPECIFICATION TABLE**

|   |          |                           |                            |                                 |  | GENER                                | PAL SPEC  | IFICATIO                                   | V TABLE                              | -                               |   |             |                   |                 |                |   |   |
|---|----------|---------------------------|----------------------------|---------------------------------|--|--------------------------------------|---|--|--------------------------------------|---------------------------------|---|-------------|-------------------|-----------------|----------------|---|---|
| NOTE:<br>moly sidul   | These va | alues apply<br>eases or o | y to fasten<br>ther extren | Us<br>ers as rece<br>ne pressur | e the foll<br>eived from<br>e lubricar | owing to<br>supplier,<br>its are use | r <b>ques whe</b><br>dry, or whe<br>ed. This ap | n special t<br>en lubricate<br>plies to bo | torques a<br>ed with no<br>th UNF ar | are not g<br>rmal eng<br>nd UNC | <b>given</b><br>gine oil. The<br>threads. | y do not ap | ply if spe        | cial grapł      | nited o        |   |   |
| SEE Grad  | le No.   |                           |                            |                                 |  | 2                                    | •   |  |                                      | 5                               |   |             |                   | 8               |                |   |   |
| BOLT HEAD IDENTIFICATION<br>MARKS AS PER GRADE<br>NOTE: MANUFACTURING<br>MARKS WILL VARY. |          |                           | $\bigcirc$                 |                                 |  | $\langle \rangle$                    | E   | $\mathbf{i}$                               | $\langle \langle \rangle$            | $\langle \rangle$               | Ð   |             | $\langle \rangle$ |                 |                |   |   |
|   |          |                           |                            |                                 |  | que                                  |   |  |                                      | que                             |   |             |                   | que             |                |   |   |
|   |          | SIZES                     |                            | Pound                           |  |                                      | ns-Meter  | Pound                                      |                                      |                                 | ons-Meter                                 | Pounds      |                   |                 | ns-Meter       |   |   |
| Inch  |          |                           | neters                     | MIN.                            | MAX.                                   | MIN.                                 | MAX.  | MIN.                                       | MAX.                                 | MIN.                            | MAX.                                      | MIN.        | MAX.              | MIN.            | MAX.           |   |   |
| 1/4   |          |                           | .35                        | 5                               | 6                                      | 6.8                                  | 8.13  | 9  | 11.0                                 | 12.2                            | 14.9                                      | 12          | 15                | 16.3            | 30.3           |   |   |
| 5/10  |          |                           | .94                        | 10                              | 12                                     | 13.6                                 | 16.3  | 17   | 20.5                                 | 23.1                            | 27.8                                      | 24          | 29                | 32.5            | 39.3           |   |   |
| 3/8   |          |                           | .53                        | 20                              | 23                                     | 27.1                                 | 31.2  | 35   | 42.0                                 | 47.5                            | 57.0                                      | 45          | 54                | 61.0            | 73.2           |   |   |
| 7/10  |          |                           | .11                        | 25                              | 30                                     | 40.7                                 | 47.4  | 54   | 64.0                                 | 73.2                            | 86.8                                      | 70          | 84                | 94.9            | 113.9          |   |   |
| 1/2   |          |                           | 2.70                       | 45                              | 52                                     | 61.0                                 | 70.5  | 80   | 96.0                                 | 108.5                           |   | 110         | 132               | 149.2           | 179.0          |   |   |
| 9/10  |          |                           | .29                        | 65<br>95                        | 75                                     | 88.1<br>128.7                        | 101.6<br>142.3                                  | 110<br>150                                 | 132.0                                | 149.2                           |   | 160<br>220  | 192               | 217.0           | 260.4<br>358.0 |   |   |
| 5/8   |          | -                         | 5.88                       |                                 | 105                                    |                                      |   |  | 180                                  | 203.4                           |   | 380         | 264               | 298.3           |                |   |   |
| 3/4<br>7/8  |          |                           | 2.05<br>2.23               | 150<br>160                      | 185<br>200                             | 203.3<br>216.8                       | 250.7<br>271.0                                  | 270<br>400                                 | 324<br>480                           | 366.1<br>542.4                  | 439.3                                     | 380<br>600  | 456<br>720        | 515.3           | 618.3<br>976.3 |   |   |
| 1/8   | 5        |                           |                            | 250                             | 300                                    | 338.8                                | -   | 400<br>580                                 |                                      | 542.4<br>786.5                  |   | 900         | 1080              | 813.6<br>1220.4 | 976.3          |   |   |
| 1 1/  | 10       |                           | 5.40<br>5.58               | - 250                           | 300                                    | 338.8                                | 406.5   | 800  | <u>696</u><br>880                    | 1084.                           |   | 900<br>1280 | 1440              | 1735.7          | 1464.3         |   |   |
| 1 1/8   |          |                           | .36                        | -                               | -                                      | -                                    | -   | 1120                                       | 1240                                 | 1518.                           |   | 1280        | 2000              | 2467.9          |                |   |   |
| 1 3/  |          |                           | .75                        | -                               | -                                      | -                                    | -   | 1460                                       | 1680                                 | 1979.                           |   | 2380        | 2000              | 3227.3          | 3688.3         |   |   |
| 1 1/  |          |                           | 8.73<br>8.10               | -                               | -                                      | -                                    |   | 1940                                       | 2200                                 | 2630.                           |   | 3160        | 3560              | 4285.0          | 4827.4         |   |   |
| 1 1/  | 2        | 50                        | .10                        | -                               | N                                      |                                      |   | .,   |                                      |                                 | J 2703.2                                  | 5100        | 3300              | 4203.0          | 4027.4         |   |   |
|   |          |                           |                            |                                 |  | se thread                            |   |  |                                      |                                 |   | Fine Thre   | ad                |                 |                |   |   |
| Size of   |          |                           | Pitch                      | Poi                             | Inds-Foo                               |                                      |   | s-Meter                                    | Pitcl                                | h mm                            |   |             |                   |                 |                |   |   |
| screw   | Grad     | le No.                    | mm                         | MIN.                            |  | AX.                                  | MIN.  | MAX.                                       |                                      |                                 | MIN.                                      | MAX.        | M                 |                 | MAX.           |   |   |
|   |          |                           |                            | IVIIIN.                         |  | <b>л</b> л.                          | IVIIIN.   |  |                                      |                                 | IVIIIN.                                   |             | 111               |                 |                |   |   |
|   | 4T       | $\bigcirc 4$              |                            | 3.6                             |  | .8                                   | 4.9   | 7.9  |                                      |                                 | -   | -           |                   | -               | -              |   |   |
| M6  |          |                           |                            |                                 | 1.0                                    | 5.8                                  | -   | .4   | 7.9                                  | 12.7                            |   | -           | -                 | -               |                | - | - |
|   | 8T       | 81                        |                            | 7.2                             | 1                                      | 0                                    | 9.8   | 13.6                                       |                                      |                                 | -   | -           |                   | -               | -              |   |   |
|   | 4        | U U                       |                            | 7.2                             | 1                                      | 4                                    | 9.8   | 19.0                                       |                                      |                                 | 12  | 17          | 16                | 5.3             | 23.0           |   |   |
| M8  |          | νT                        | 1.25                       | 17                              |  | 22                                   | 23  | 29.8                                       | 1                                    | .0                              | 19  | 27          |                   | 5.7             | 36.6           |   |   |
|   |          | BT .                      |                            | 20                              |  | 26                                   | 27.1  | 35.2                                       |                                      |                                 | 22  | 31          |                   | 9.8             | 42             |   |   |
|   | L        | IT                        |                            | 20                              | 2                                      | 25                                   | 27.1  | 33.9                                       |                                      |                                 | 20  | 29          | 27                | 7.1             | 39.3           |   |   |
| M10   |          | Τ                         | 1.5                        | 34                              | 4                                      | 10                                   | 46.1  | 54.2                                       | 1.                                   | .25                             | 35  | 47          | 47                | 7.4             | 63.7           |   |   |
|   |          | 3T                        |                            | 38                              |  | 16                                   | 51.5  | 62.3                                       |                                      |                                 | 40  | 52          | -                 | 1.2             | 70.5           |   |   |
|   |          | IT                        |                            | 28                              | -                                      | 34                                   | 37.9  | 46.1                                       |                                      |                                 | 31  | 41          |                   | 2               | 55.6           |   |   |
| M12   | -        | ΥT<br>T                   | 1.75                       | 51                              |  | 59                                   | 69.1  | 79.9                                       | 1.                                   | .25                             | 56  | 68          |                   | 5.9             | 92.1           |   |   |
|   | -        | BT                        |                            | 57                              |  | 56                                   | 77.2  | 89.4                                       |                                      |                                 | 62  | 75          | -                 | 4               | 101.6          |   |   |
| M14   |          | IT<br>/T                  | 2.0                        | 49                              |  | 56                                   | 66.4<br>100.9                                   | 75.9                                       | 1                                    | E I                             | 52  | 64<br>106   |                   | ).5             | 86.7           |   |   |
| M14   | -        | 7T<br>3T                  | 2.0                        | 81<br>96                        |  | 93<br>09                             | 109.8   | 126<br>147 7                               |                                      | .5                              | 90<br>107                                 | 106<br>124  |                   | 22<br>45        | 143.6<br>168   |   |   |
|   |          |                           |                            | 90                              |  | 09                                   | 130.1   | 147.7                                      |                                      |                                 | 107                                       | 124         |                   | 45              | 1100           |   |   |

4T

7T

8T

4T

7T

8T

4T

7T

8T

M16

M18

M20

67

116

129

88

150

175

108

186

213

2.0

2.0

2.5

77

130

145

100

168

194

130

205

249

90.8

157.2

174.8

119.2

203.3

237.1

146.3

252

288.6

104.3

176.2

196.5

136

227.6

262.9

176.2

277.8

337.4

1.5

1.5

1.5

69

120

140

100

177

202

132

206

246

83

138

158

117

199

231

150

242

289

93.5

162.6

189.7

136

239.8

273.7

178.9

279.1

333.3

112.5

187

214.1

158.5

269.6

313

203.3

327.9

391.6

# PART NO. 5RDSB1274A



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